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## ABSTRACT

Published Naval Training Device Center technical reports and some technical notes (those available through the Defense Documentation Center-DDC) which have resulted from basic research, exploratory development, and advanced development type projects are listed. The reports are indexed by technical note number, by title, and by contractor code. The index is revised once a year.  
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## NAVAL TRAINING DEVICE CENTER

### INDEX OF TECHNICAL REPORTS

Basic Research • Exploratory Development • Advanced Development

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SECTION I  
INTRODUCTION

NOTE

Security classifications and Group Categories shown for publications in this index do not constitute authority for reclassifying a publication.

1-1. CONTENTS OF THIS INDEX.

1-2. This index lists published Naval Training Device Center technical reports and some technical notes (those available through the Defense Documentation Center (DDC)), which have resulted from basic research, exploratory development and advanced development type projects. Technical note numbers are prefixed with "TN", in-house technical report numbers with "IH" and contractor technical report numbers with numerals.

1-3. ORGANIZATION OF THIS INDEX.

1-4. So that publications may be located easily, this index is arranged as follows:

- a. By technical report/note number - Section II
- b. By technical report/note title - Section III. Note that the titles have been rearranged to place the key words at the beginning.
- c. By contractor code - Appendix A

1-5. INDEX REVISION.

1-6. This index is revised on a once-a-year basis. In the interim, it may be kept up-to-date through pen-and-ink changes, using source data published in the Training Device Developments (NAVTRADEV P-1300 series).

1-7. HOW TO REQUEST PUBLICATIONS LISTED IN THIS INDEX.

1-8. Qualified users registered in DDC may:

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| NAVTRA-<br>DEV CEN | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|--------------------|-----------------|-------|---|--------------|
| IH-1               |                 | 6-62  | Visual Persistence Decay Curves as a Function of Intensity and Duration of the Stimulus (AD 284977)               | U            |
| IH-2               |                 | 12-61 | Radar Land Mass Simulator System; All Altitude Capability Study for (AD 602516)                                   | U            |
| IH-5               |                 | 9-63  | Engineering Practices Survey: OFT Cockpit Instruments, Standardization Project 3501-111                           | U            |
| IH-7               |                 | 6-64  | One-Trial Learning and Quantum Psychophysics: A Synthesis (AD 602516)   | U            |
| IH-8               |                 | 3-64  | Gain Characteristics for Various Projection Screen Materials; Evaluation of                                       | U            |
| IH-11              |                 | 3-64  | Perceptual Vertigo: A Dimensional Study (AD 625525)   | U            |
| IH-12              |                 | 4-64  | Target Recognition as a Function of Viewing Mode (AD 447252)  | U            |
| IH-13              |                 | 7-64  | Homogenous Environment; The Effects of Stimulus and Field Size on the Accuracy of Orientation in (AD 607739)      | U            |
| IH-14              |                 | 6-64  | Corrective Lenses, Filters, and Structure; Empty Visual Field Studies: Some Effects of (AD 445863)                | U            |
| IH-15              |                 | 7-64  | Lasers: Safety Recommendations and a Comment on the Concept of Ocular Damage; Biological Effects of (AD 607718)   | U            |
| IH-16              |                 | 8-64  | Light Flashes: Perceived Brightness of (AD 609358)  | U            |
| IH-17              |                 | 5-65  | European Training Devices; A Survey of (AD 630246)  | U            |
| IH-18              |                 | 7-64  | Marine Tactical Data System; Training Situation Analysis Report for (AD 376639)                                   | C-3          |
| IH-19              |                 | 10-64 | Homogeneous Environment; Vertical Orientation in (AD 608568)  | U            |
| IH-20              |                 | 8-64  | CW Laser Beam; Non-Mechanical, Controlled Deflection of   | U            |
| IH-21              |                 | 9-64  | 3-D Terrain; Automatic Model Propulsion System for (AD 607719)  | U            |
| IH-24              |                 | 12-64 | Digital Instruments; Analysis of  | U            |
| IH-26              |                 | 5-68  | Televized Naval Vessels as a Function of TV Lines per Image Height; Identification of (AD 861020)                 | U            |
| IH-30              |                 | 7-65  | Electrostatic Charge on an In-Flight Projectile; An Exploratory Investigation into the Polarity of (AD 626189)    | U            |
| IH-32              |                 | 5-65  | Digital Computer Training Devices Technical Progress Report   | U            |
| IH-33              |                 | 8-65  | Homogenous Visual Field under a Condition of Infinite Depth of Focus; Detection in a (AD 624531)                  | U            |
| IH-34              |                 | 8-65  | Learning Task Difficulty; Biopotential Signals as a Function of (AD 625130)                                       | U            |
| IH-37              |                 | 8-65  | Training Situation Analysis Procedure; Introductory Course on (AD 623385)   | U            |
| IH-40              |                 | 11-65 | Tachistoscopic and WEFT Techniques in Aircraft Recognition; An Investigation of Various (AD 626468)               | U            |
| IH-41              |                 | 3-66  | Augmenting Feedback and Transfer of Training (AD 631405)  | U            |
| IH-42              |                 | 2-66  | Direct Paired Associates Learning; Effectiveness and Student Acceptance of (AD 628449)                            | U            |
| IH-43              |                 | 11-65 | Holographic Procedures; Simplification of (AD 658522)   | U            |
| IH-44              |                 | 10-65 | Point Light Projection; Investigation of the Imaging and Luminance Characteristics Associated with (AD 635772)    | U            |
| IH-48              |                 | 2-66  | Induced Motion: An Analysis of (AD 630275)  | U            |
| IH-49              |                 | 3-66  | Tachistoscopic Perception; The Effects of Induced Muscle Tension and Auditory Stimulation on (AD 631840)          | U            |
| IH-52              |                 | 4-66  | Pitch Discrimination; Practice Effects, Knowledge of Results and Transfer in (AD 634221)                          | U            |
| IH-53              |                 | 6-66  | Visual Simulation Phase I. An Analysis of the Factored Transparency Method; A Study of 3-D Effects in (AD 635869) | U            |
| IH-55              |                 | 3-66  | Trainer, Switchboard Operator; Test Procedure for   | U            |
| IH-56              |                 | 7-66  | Learning and Overlearning; Physiological Correlates of (AD 636397)  | U            |
| IH-57              |                 | 7-66  | Television Two Dimensional Light Valve and 143 Degree Wide Angle Lens (AD 636969)                                 | U            |
| IH-58              |                 | 2-67  | Assault Boat Coxswain Trainer Feasibility Study (AD 809071L)  | U            |
| IH-59              |                 | 8-66  | Electronic Picture Converter (Project 7819-2)   | U            |
| IH-60              |                 | 8-66  | Television; Study, Virtual Image Viewing System for   | U            |

## NAVTRADEV P-3695

| NAVTRA-<br>DEV-CEN | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|--------------------|-----------------|-------|---|--------------|
| IH-62              |                 | 1-67  | Vigilance Performance and Physiological Responses; Effects of Signal Patterning upon (AD 648948)              | U            |
| IH-63              |                 | 12-66 | Projection Screens; Physical and Optical Properties of (AD 647132)  | U            |
| IH-66              |                 | 3-67  | Electronic Counter-Measures and Electronic Warfare Training Devices; Technical Analysis Study of (AD 380020L) | S-3          |
| IH-67              |                 | 3-67  | Reminiscence; Arousal as a Factor in (AD 651854)  | U            |
| IH-70              |                 | 5-67  | Laser Deflection by a Torsionally Resonant Hum Loaded Piezoelectric Ceramic (AD 81660L)                       | U            |
| IH-71              |                 | 5-67  | Vigilance Performance and Physiological Responses Under Fixed and Variable Signal Schedules (AD 655619)       | U            |
| IH-72              |                 | 9-67  | Performance Decrement: Activation, Inhibition and Warm-Up; Factors in Recovery from (AD 657896)               | U            |
| IH-74              |                 | 5-67  | Various Information Display Devices; A Survey of (AD 653867)  | U            |
| IH-75              |                 | 4-67  | T-28 Aircraft; Simulation of  | U            |
| IH-78              |                 | 3-68  | Small Arms Targets for Trainfire Mechanisms; Investigation into Materials and Designs of (AD 671843)          | U            |
| IH-79              |                 | 10-68 | Computer Controlled Audio Response Systems; Survey of   | U            |
| IH-81              |                 | 6-67  | Large-Screen Quick-Stop Projector Study   | U            |
| IH-129             |                 | 8-67  | Psychology; Strategies of Research Design in (AD 660679)  | U            |
| IH-137             |                 | 10-67 | Optical and Photographic Systems; Resolution Criteria for (AD 660680)   | U            |
| IH-139             |                 |       | Auditory Stimulation upon Decrement and Reminiscence in Rotary Pursuit Tracking; Effects of (AD 665932)       | U            |
| IH-142             |                 | 3-68  | Autokinesis and Felt Eye Position (AD 668015)   | U            |
| IH-143             |                 | 11-67 | Conference, Second Naval Training Device Center and Industry; Proceedings of                                  | U            |
| IH-145             |                 | 6-70  | Pinhole TV Camera; The Analysis and Engineering Design of (AD 723182)   | U            |
| IH-146             |                 | 6-69  | Computers in Training Devices; an Investigation of  | U            |
| IH-148             |                 | 5-68  | Fiber Optics Remote Sight for Assessment of Gunner Performance (AD 671073)                                    | U            |
| IH-150             |                 | 4-69  | Destroyer Mooring and Docking; Analog Computer Simulation of (AD 853352)                                      | U            |
| IH-151             |                 | 7-68  | Laser Hazards (AD 838773L)  | U            |
| IH-153             |                 | 5-69  | Visual Simulation and Image Interpretation (AD 856929)  | U            |
| IH-154             |                 | 11-68 | Weapon Firing Simulators; Gas Lasers in (AD 844286L)  | U            |
| IH-157             |                 | 12-68 | Hand Grenade Simulator; Scoring Device 3F65; Inspection Procedure Report on                                   | U            |
| IH-158             |                 | 2-69  | Human Factors Laboratory Reports (1945-1968) Annotated Bibliography of (AD 686174)                            | U            |
| IH-160             |                 | 5-69  | Holography with Application to X-Rays; Sequential Stereo (AD 854598)  | U            |
| IH-161             |                 | 11-68 | Conference, Third Naval Training Device Center and Industry; Proceedings of (AD 851363L)                      | U            |
| IH-162             |                 | 6-69  | Analog Computer Mechanization of Experimental Electronic Periscope View Simulator                             | U            |
| IH-165             |                 | 6-69  | M-16 Training Cartridge; Ballistic Tests on (AD 854453)   | U            |
| IH-166             |                 | 7-69  | Eye Movement Research Program Annual Report (AD 694465)   | U            |
| IH-167             |                 | 2-70  | Visual Display Generated by Television; Setting Performance Criteria for (AD 864994)                          | U            |
| IH-168             |                 | 1-69  | Device X3F67A (A Propeller of Liquid Filled Gelatin Balls); Ballistic Tests of (AD 860957L)                   | U            |
| IH-169             |                 | 6-70  | Military Training Problems: A Working Paper; A Task Classification Approach to (AD 713888)                    | U            |
| IH-170             |                 | 11-69 | Gallium Arsenide Injection Laser Diode Quick Kill Weapon Fire Simulator (AD 863027)                           | U            |
| IH-172             |                 | 10-70 | Pursuit-Rotor and Paired-Associate Learning; Transfer as a Function of Task Difficulty in (AD 714841)         | U            |
| IH-173             |                 | 11-69 | Conference, Fourth Naval Training Device Center and Industry; Proceedings of (AD 707757)                      | U            |
| IH-175             |                 | 5-70  | Lightning Protection for Navy Device 2D2 Site Astor, Florida (AD 869851)                                      | U            |

| NAVTRA-<br>DEV CEN | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|--------------------|-----------------|-------|--|--------------|
| IH-176             |                 | 5-70  | Nuclear Training Devices; NAVTRADEV CEN Participation in   | U            |
| IH-177             |                 | 10-70 | Flight Training A Human Factors View; Motion in (AD 880445)  | U            |
| IH-178             |                 | 8-70  | Learning, Retention and Transfer - A Key Issue in Training Device Research and Development; An Integrated Approach to the Study of (AD 712096) | U            |
| IH-179             |                 | 4-70  | Small Arms; Prototype Instinctive Firing Training Device for (AD 873014)   | U            |
| IH-181             |                 | 11-70 | Laser Safety (AD 721088)   | U            |
| IH-182             |                 | 8-70  | Wide Angle TV Camera Pickup Lens System Using Reflective Optics (AD 714487)  | U            |
| IH-184             |                 | 2-71  | FM Sonar Simulation Techniques   | U            |
| IH-186             |                 | 2-71  | Air-To-Ground Weapons Training Ranges; Seismic Scoring System for (AD 723562)  | U            |
| IH-188             |                 | 12-71 | Polyethylene Silhouette Target Utilization (Device 3H23) E-Type)   | U            |
| IH-190             |                 | 12-71 | Clothing Penetration Tests for the M-16 Training Cartridge   | U            |
| IH-195             |                 | 9-71  | Instructor Console Instrument Simulation (AD 731739)   | U            |
| IH-206             |                 | 2-72  | Conference, Fifth Naval Training Device Center and Industry; Proceedings of (AD 737226)  | U            |
| TN-3               |                 | 10-69 | Adaptive Stepping Criterion on Tracking Performance; a Preliminary Investigation of the Effects of (AD 698792)                                 | U            |
| TN-9               |                 | 2-70  | Holography; Polarization Effects in (AD 874638)  | U            |
| TN-10              |                 | 1-72  | Motivation in Training: A Study of Incentives  | U            |
| TN-11              |                 | 3-70  | Holographic Parameters; An Investigation of (AD 872988)  | U            |
| TN-13              |                 | 6-70  | Polarization, Crystal Optics, and Electro-Optic Phenomena; Review of (AD 880732)   | U            |
| TN-20              |                 | 1-72  | Holography (AD 736926)   | U            |
| TN-24              |                 | 2-72  | Antireflection Thin Films on Transparent Media (AD 736609)   | U            |
| I-59-1             | EB              | 1-64  | Stereo Input; Study, MTMS  | U            |
| 5-11-1             | AI              | 12-58 | Television System: The One-Camera Television Chain; The Development and Evaluation of a Low Cost Closed-Circuit Instructional (AD 211710)      | U            |
| 9-11-1             | AH              | 11-58 | Selection and Utilization of Training Aids and Devices; Effective and Acceptance Factors in (AD 214729)  | U            |
| 15U7-1             | EY              | 11-56 | Television Display; Feasibility Study Wide Angle (AD 273486)   | U            |
| 17-1-1             | AG              | 2-50  | Objective Tests and Concomitant Self-Instructions; Development and Appraisal of Devices Providing Immediate Automatic Scoring of (AD 639033)   | U            |
| 17-3               | AG              |       | Leadership Structure and Organization Change; Measures of Organization and Leadership Behavior; Perceptions of                                 | U            |
| 17-3               | AG              |       | Maneuvering Tactics Trainer, Device 1-BZ-2; Utilization Study of (AD 630030)   | U            |
| 20-A-10            |                 | 9-50  | Carrier Landing Training; Study of (AD 140210)   | U            |
| 20-A-22-1          | FC              | 12-54 | Aircraft Instrument Dials: Oxygen Duration Meter; Legibility of (AD 638868)  | U            |
| 20-L-4(1)          |                 | 10-51 | Aircraft Squadron Training Task Analysis; Interim Report (AD 207658)   | U            |
| 20-OS-2-1          | AD              | 10-58 | Rater: Green Light (AD 212031)   | U            |
| 20-OS-3-1          |                 | 12-58 | Training Device, Representative: An Investigation of Maintenance Problems of (AD 159627)   | U            |
| 20-OS-23-1         | AD              | 1-58  | Subminiaturization; Maintenance Problems Anticipated as a Result of (AD 202886)  | U            |
| 20-OS-23-2         | AF              | 4-58  | Electronic Equipment, the Maintenance of; Human Factors in Maintenance Factors Influencing (AD 207657)   | U            |
| 20-OS-23-4         |                 | 9-58  | Electronic Equipment, the Maintenance of Factors Influencing; (Errata Notice No. 1)  | U            |
| 20-OS-23-4         |                 | 11-58 | Flight Information Displays for Instructional Consoles (AD 207656)   | U            |
| 20-OS-31-1         | AD              | 9-58  | Animated Training Panels; A Set of Discriminable Surface Colors and Symbols for Coding in (AD 220477)  | U            |
| 20-OS-52           | AD              | 5-59  | Relative Motion Training (A Preliminary Analysis) (AD 205680)  | U            |
| 20RM-1-1M          | AF              | 9-58  | Kinescopes and Films; Learning from (AD 119109(b))   | U            |
| 20-TV-1            |                 | 4-52  | Television; Visual Principles for Training by (AD 90161)   | U            |
| 20-TV-2            |                 | 52    | Television Research Reports; Instructional (AD 119109)   | U            |
| 20-TV-4            |                 | 6-56  | Computer; The Pulsed Analog Demonstration. (Final Demonstration Report)  | U            |
| 45-1               | AC              | 4-59  |  | U            |



## NAVTRADEV P-3695

| NAVTRA-<br>DEV CEN | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|--------------------|-----------------|-------|---|--------------|
| 45-2               | AC              | 1-59  | Flight Simulator; An experimental Analog-Digital. (Final Demonstration Report)  | U            |
| 51-14              | AB              |       | Flight Trainer Digital Computer Study   | U            |
| 51-28              | AB              | 3-51  | Flight Trainer Digital Computer Study   | U            |
| 52-22              | AB              |       | Digital Computers, Actuating Trainers by; Feasibility of (Progress Report No. 1)  | U            |
| 52-37              | AB              |       | Digital Computers, Actuating Trainers by; Feasibility of (Progress Report No. 2)  | U            |
| 53-06              | AB              |       | Digital Computers, Actuating Trainers by; Feasibility of (Progress Report No. 3)  | U            |
| 53-21              | AB              | 2-53  | Flight Trainers, Digital; Design of (Progress Report No. 1)   | U            |
| 54-06              | AB              |       | Simulator, Serial Digital with Serial Memory; Design of   | U            |
| 54-08              | AB              | 7-53  | Flight Trainers, Digital; Design of (Progress Report No. 2)   | U            |
| 54-09              | AB              | 9-53  | Flight Trainers, Digital; Design of   | U            |
| 54-25              | AB              | 12-53 | OFT; Digital  | U            |
| 54-45              | AB              | 6-54  | Universal Digital OFT (AD 44627)  | U            |
| 55-19              | AB              | 12-54 | Universal Digital OFT   | U            |
| 55-20              | AB              |       | Fighter, Supersonic, using a Digital Computer; Simulation of  | U            |
| 56-27              | AB              | 6-55  | Universal Digital OFT; Final Report   | U            |
| 57-02              | AB              | 6-56  | Final Report Univ. of Penn. Moore School  | U            |
| 57-09              | AB              | 12-56 | Controlled-Current Transistor Switching Circuits; A Preliminary Study of  | U            |
| 57-12              | AB              | 1-57  | Universal Digital OFT; Programming and Coding Manual for  | U            |
| 57-16              | AB              | 3-57  | Controlled-Current Circuit Application  | U            |
| 57-1-1             | AA              | 7-46  | Aerial Gunnery Training Devices 3-A-35 and 1-3-A; An Experimental Study of the Effectiveness of Various Training Procedures used with the (AD 639275) | U            |
| 57-1-2             | AA              | 7-45  | Fixed Gunnery Slide Film Deflection Trainer (3-C-9); Preliminary Report on (AD 639276)  | U            |
| 57-1-3             | AA              | 10-46 | Aerial Gunnery Training Device 3-A-2; Memorandum on Progress of Learning Study on (AD 639277)   | U            |
| 57-1-4             | AA              | 10-46 | Gunnery Training Devices, The Correct Point of Aim in; Memorandum on the use of (AD 639278)   | U            |
| 57-1-5             | AA              | 4-47  | Aerial Gunnery Training Device 3-A-2; An Experimental Study of Learning on (AD 639279)  | U            |
| 57-2-1             | AA              | 10-47 | Positioning Reactions as a Function of Direction and Extent; The Accuracy of (AD 639281)  | U            |
| 57-2-2             | AA              | 10-47 | Discrete Movements in the Horizontal Plane as a Function of their Length and Direction (AD 639282)  | U            |
| 57-2-3             | AA              | 1-48  | Discrete Movements in the Horizontal Plane; Effect of Speed-up Instructions upon the Performance of (AD 639283)                                       | U            |
| 57-2-4             | AA              | 7-48  | Uniform Length Executed at Various Distances from the Body; Positioning Reactions of (AD 639284)  | U            |
| 57-2-5             | AA              | 8-48  | Discrete Movements in the Horizontal Plane; when Executed with One and Two Hands; Characteristics of (AD 639285)                                      | U            |
| 57-2-6             | AA              | 9-48  | Discrete Movements Toward and Away from the Body in the Horizontal Plane (AD 639291)  | U            |
| 57-2-7             | AA              | 8-49  | Psychomotor Performance: I. The Modified Mashburn Apparatus; Devices for Studying Associative Interference in (AD 639292)                             | U            |
| 57-2-8             | AA              | 8-49  | Mashburn Apparatus, Modified; Evaluation of Difficulty of Task Under Several Different Conditions of Performance on (AD 639293)                       | U            |
| 57-2-9             | AA              | 8-49  | Psychomotor Performance; Problem of Controlling Level of Learning in Studies of Associative Interference in (AD 639294)                               | U            |
| 57-2-10            | AA              | 8-49  | Learning by Paired-Associates; Memory Drum vs. Adjusted-Learning Techniques in the study of Associative Interference in (AD 160447)                   | U            |
| 57-2-11            | AA              | 9-49  | Psychomotor Performance; Evidence of Associative Interference in (AD 639256)  | U            |
| 57-2-12            | AA              | 8-49  | Psychomotor Performance: II. The Modified Two-Hand Coordinator; Devices for Studying Associative Interference in (AD 639361)                          | U            |
| 57-2-13            | AA              | 9-49  | Psychomotor Performance: III. The Double-Disk Pursuit Apparatus; Devices for Studying Interference in (AD 639304)                                     | U            |
| 57-2-14            | AA              | 11-49 | Psychomotor Performance: IV. The Turret Pursuit Apparatus; Devices for Studying Associative Interference in (AD 639305)                               | U            |



| NAVTRA-<br>DEV CEN | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|--------------------|-----------------|-------|--|--------------|
| 58-02              | AB              | 8-57  | OFT, Universal Digital; The F9F-2 Program for  | U            |
| 58-04              | AB              | 8-57  | OFT, Universal Digital   | U            |
| 58-06              | AB              | 8-57  | Transistor Evaluation and a Controlled-Current<br>Circuit Design   | U            |
| 58-27              | AB              | 10-58 | OFT, Universal Digital   | U            |
| 58-1-1             | AR              | 5-46  | MK 18 Coordination Trainer, Device 3-A-40; Interim<br>Report on Learning Studies with (AD 639035)  | U            |
| 58-1-2             | AR              | 8-46  | MK 18 Coordination Trainer, Device 3-A-40; Report<br>of Results of Learning Studies with (AD 657485) 58-1-3  | U            |
| 58-1-3             | AR              | 9-46  | Assessor, Device 3-E-7; The Ranging Tracking<br>Aiming Point; Interim Report on (AD 639036)  | U            |
| 58-1-4             | AR              | 10-46 | MK 18 Coordination Trainer, Device 3-A-40; Report<br>of Recommendations for (AD 639037)  | U            |
| 58-1-5             | AR              | 47    | Assessor, Device 3-E-7; Final Report Ranging Tracking<br>Aiming Point (AD 639038)  | U            |
| 58-1-6             | AR              | 4-50  | Gunnery Training Devices, 3-E-7 and 3-A-40; Evaluation<br>of (AD 639039)   | U            |
| 58-2-1             | AR              | 6-46  | Alertness Indicator; Review of Literature and Some Pre-<br>liminary Results in the Development of (AD 639040)  | U            |
| 58-2-2             | AR              | 2-47  | Alertness Indicator; Interim Progress Report (AD 139610)   | U            |
| 58-2-3             | AR              |       | Alertness Indicator; Interim Progress Report   | U            |
| 58-2-4             | AR              | 4-47  | Muscle Action Potentials; Prediction of Speed of Performance<br>by (AD 629759)   | U            |
| 58-2-5             | AR              | 8-47  | Alertness: I Control of Lookout Alertness; Prediction and<br>Automatic Control of (AD 639041)  | U            |
| 58-2-6             | AR              | 6-48  | Alertness: II Continuous Tracking; Prediction and Control<br>of (AD 654264)  | U            |
| 58-2-7             | AR              | 8-48  | Bioelectric Potentials; Surface Electrodes for Recording<br>(AD 639042)  | U            |
| 58-2-8             | AR              | 12-48 | Alertness Indicator, Portable; Interim Progress Report<br>Laboratory and Road Tests (AD 639043)  | U            |
| 58-2-9             | AR              | 2-48  | Alertness Indicator and Further Results; Prediction and<br>Continuity of Alertness: III Calibration of (AD 639044)   | U            |
| 58-2-10            | AR              |       | Alertness Indicator Model 482-A Portable, and Calibrating<br>Unit Model 487; Manual of   | U            |
| 58-2-11            | AR              | 4-50  | Reading Assessor, The Alertness Indicator; Application<br>of Electro-Physiological Technique to Human Perfecting<br>(AD 639045)                              | U            |
| 58-3-1             | AR              |       | Reading Assessor; Interim Progress Report - Research and<br>Development of (AD 639046)   | U            |
| 60-11              | AB              | 1-60  | OFT; Study 24-F-3, Universal Digital (Final Report 1958-1959)  | U            |
| 62R-4              | AQ              | 6-57  | Video Signal Generating Unit Handbook  | U            |
| 66-C-0019-1        | DW              | 12-70 | Environmental Simulation; Design Factors in (AD 880048)  | U            |
| 66-C-0031-1        | ER              | 1-68  | Oceanographic and Geophysical Space-Sensor; Study, Simulation<br>of (AD 838041L)   | U            |
| 66-C-0043-1        | AP              | 3-67  | Training Equipment and Individual Differences; Study of<br>(AD 650850)   | U            |
| 66-C-0044-2        | AO              | 7-66  | ASW Aircraft; Analysis Report (Phase I) for a Simulation of<br>Aspect Equipment of   | C-4          |
| 66-C-0044-3        | AO              | 12-66 | ASW Aircraft; Design Criteria Report (Phase II) for a Simu-<br>lation of Aspect Equipment of   | U            |
| 66-C-0044-4        | AO              | 1-67  | ASW Aircraft; Aspect Simulation Design Report (Phase III) for  | C-4          |
| 66-C-0045-1        | DR              | 10-68 | Increasing ASW Helicopter Effectiveness<br>Through Communications Training   | U            |
| 66-C-0048-1        | AO              | 1-66  | Acoustic Path, Reliable; Work Plan Report for Study for<br>Simulation Techniques for the   | U            |
| 66-C-0061-1        | AN              | 7-66  | Julie, Advanced, Phase I Analysis; Study of Simulation<br>Techniques for   | C-4          |
| 66-C-0061-2        | AM              | 1-67  | Julie, Advanced, Phase II, Design Criteria; Study of<br>Simulation Techniques for  | C-4          |
| 66-C-0061-3        | AM              | 4-67  | Julie, Advanced, Phase III Advanced Design; Study of<br>Simulation, Techniques for   | C-4          |
| 66-C-0064-1        | AL              | 6-68  | Image Intensifiers, Solid State, Annual Report (Application<br>of Light and Image Intensification Techniques to Military<br>Training) (Phase IV) (AD 673980) | U            |

## NAVTRADEV P-3695

| NAVTRA-<br>DEV CEN | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|--------------------|-----------------|-------|---|--------------|
| 66-C-0064-2        | BO              | 7-68  | Light and Image Intensification Techniques; to Military Training (Phase IV) Application of; Solid State Image Intensifiers Final Report (AD 673981) | U            |
| 66-C-0077-1        | FD              | 5-69  | Pop-Up Devices M31A1 and 3CS2; Three-Dimensional Targets for (AD 853872)  | U            |
| 66-C-0089-1        | EQ              | 8-67  | High Fidelity Low Frequency Underwater Transducer Study (U) (AD 394449L)  | C-3          |
| 66-C-0113-1        | BH              | 11-70 | Training System Evaluation; Handbook for (AD 512675)  | C-4          |
| 66-C-0113-2        | BH              | 1-71  | Training Systems Evaluation; Handbook for (AD 885751)   | U            |
| 66-C-0147-1        | DN              | 10-70 | Lasers for Training Devices Final Report (AD 737658)  | U            |
| 67-C-0034-1        | CV              | 8-68  | Pilots, Non-Jet Experienced Versus Simulation Fidelity; Pilot Performance, Transfer of Training and Degree of                                       | U            |
| 67-C-0034-2        | CV              | 8-68  | Piloting Skills; Improving in Turbulent Air Using a Self-Adaptive Technique for a Digital OFT (AD 675805)   | U            |
| 67-C-0034-3        | CV              | 8-68  | Tracking Behavior; Effective Time Constant in (AD 675806)   | U            |
| 67-C-0095-1        | ES              | 5-68  | Luminescent Smoke Generation Feasibility Study (AD 675503)  | U            |
| 67-C-0096-1        | ET              | 8-68  | Laser Parameters for Human Viewing; An Analysis of Viewing Direct and Scattered Laser Radiation (AD 675825)   | U            |
| 67-C-0105-1        | DZ              | 12-71 | Sonar Recognition Training: An Investigation of Whole VS Part and Analytic VS Synthetic Procedures (AD 671842)                                      | U            |
| 67-C-0114-1        | EU              | 5-68  | Training Equipment and Individual Differences: The Effects of Subject Matter Variables; Study of (AD 671842)  | U            |
| 67-C-0114-2        | EU              | 8-68  | Training Equipment and Individual Differences: The Effects of Subject Matter Variables (Supplementary Report); Study of (AD 674428)                 | U            |
| 67-C-0165-1        | DO              | 4-69  | NA TOPS Flight Manuals; Development of a Military Specification for (AD 859345)   | U            |
| 67-C-0165-2        | DO              | 4-69  | NA TOPS Flight Manuals; Military Specification for (AD 857295)  | U            |
| 67-C-0196-7        | CI              | 6-68  | Research Tool Digital Computer System Math Model Report; Software Documentation for (AD 891483L)  | U            |
| 67-C-0196-7        | CI              | 1-70  | Research Tool Digital Computer System Program Report; Software Documentation for (AD 891391L)   | U            |
| 67-C-0202-1        | CW              | 8-68  | Feasibility Demonstration Report; Device X3B57 (AD 676313)  | U            |
| 68-C-0005-1        | BI              | 4-69  | Generalized Sonar Maintenance Trainer into Navy Training for an Evaluation of its Effectiveness; The Introduction of (AD 690604)                    | U            |
| 68-C-0007-1        | DW              | 12-70 | Flight Simulation; Motion Factors in (AD 880341)  | U            |
| 68-C-0013-1        | FE              | 2-69  | Simulated Shipboard Communications System Standardization; Study of (AD 849367)   | U            |
| 68-C-0037-1        | EG              | 9-68  | Main Battle Tank 70 (MBT-70) Training Device Requirements Study (U) (AD 395927L)  | C-3          |
| 68-C-0050-1        | DL              | 11-69 | Advanced Submarine Systems Equations Study (Final) (AD 870195)  | U            |
| 68-C-0050-2        | DL              | 11-69 | Advanced Submarine Systems Programming (Final) (AD 871261)  | U            |
| 68-C-0050-3        | DL              | 11-69 | Advanced Submarine Systems Equations Test Data (AD 511956)  | C-4          |
| 68-C-0071-1        | FF              | 8-69  | Computer Controlled Maintenance Training; Memory Factors in (AD 697980)   | U            |
| 68-C-0071-2        | FF              | 6-70  | Adaptive Training Via Computer-Assisted Instruction Utilizing Regression Analysis Techniques; Development of a Model for (AD 708655)                | U            |
| 68-C-0071-3        | FF              | 8-70  | Automated Instruction; Learner Control of (AD 728429)   | U            |
| 68-C-0106-1        | CE              | 7-68  | Synthetic Flight Training System (SFTS); Concept Formulation Report (AD 675506)   | U            |
| 68-C-0107-1        | CW              | 7-68  | Synthetic Flight Training System; Concept Formulation Report (AD 675505)  | U            |
| 68-C-0107-2        | CW              | 10-68 | Synthetic Flight Training System, AH-56/CH-47; Concept Formulation Report (Addendum) (AD 678651)  | U            |
| 68-C-0108-1        | EZ              | 7-68  | Synthetic Flight Training System; Concept Formulation Report (AD 673982)  | U            |
| 68-C-0108-2        | EZ              | 10-68 | Synthetic Flight Training System, AH-56/CH-47; Concept Formulation Report (Addendum) (AD 678409)  | U            |
| 68-C-0136-1        | BH              | 10-68 | Synthetic Flight Training System; Adaptive Techniques for (AD 678536)   | U            |
| 68-C-0152-1        | FJ              | 6-69  | Assault Boat Motion in Waves; A Mathematical Model for (AD 712773)  | U            |
| 68-C-0152-2        | FJ              | 9-69  | Simulating Assault Boat Motion; Development of Equations for (AD 712774)  | U            |
| 68-C-0153-1        | FG              | 12-69 | Pilots Visual World; Investigation of Required Television Parameters for Simulation of (AD 864382)  | U            |
| 68-C-0155-1        | DS              | 7-68  | Hybrid Radar Landmass Simulator: Engineering Report Nr 1; Development of  | U            |

| NAVTRA-<br>DEVGEN        | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|--------------------------|-----------------|-------|---|--------------|
| 68-C-0155-2              | DS              | 11-68 | Hybrid Radar Landmass Simulator: Engineering Report<br>Nr 2; Development of   | U            |
| 68-C-0155-3              | DS              | 1-69  | Hybrid Radar Landmass Simulator: Engineering Report<br>Nr 3; Development of   | U            |
| 68-C-0155-4              | DS              | 3-69  | Hybrid Radar Landmass Simulator: Engineering Report<br>Nr 4; Development of   | U            |
| 68-C-0212-1              | DR              | 6-70  | Deriving Required Training Aids/Devices and<br>Application to the Tactical Coordinator<br>Position in ASW Aircraft; Development of a<br>Method for (AD 872267)  | U            |
| 68-C-0215-1<br>Vol I     | EP              | 2-71  | Learning, Retention and Transfer (AD 724778)  | U            |
| 68-C-0215-1<br>Vol II    | EP              | 2-71  | Learning, Retention and Transfer (AD 724790)  | U            |
| 68-C-0242-1              | BW              | 4-70  | Decision Making and Team Training Research to<br>Operational Training: A Translative Technique;<br>Final Report Application of (AD 871984)  | U            |
| 68-C-0271-1              | AH              | 6-70  | Training Equipment and Individual Differences<br>Research on Interactive Relationships Among<br>Learner Characteristics, Types of Learning,<br>Instructional Methods, and Subject Matter<br>Variables; Study of (AD 871612) | U            |
| 68-C-0308-1              | EP              | 1-69  | Multiple Trainee Station Air Navigation Trainer;<br>Design Study Report for (AD 856444)   | U            |
| 68-C-0314-2              | CK              | 2-69  | Electro-Optical Visual Display Simulator Study<br>(AD 503441L)  | S-3          |
| 69-C-0086-1              | DS              | 3-70  | Hybrid Radar Landmass Simulator: Engineering Report<br>Nr 5; Development of   | U            |
| 69-C-0086-2              | DS              | 3-70  | Hybrid Radar Landmass Simulator: Engineering Report<br>Nr 6; Development of   | U            |
| 69-C-0116-1              | BH              | 5-71  | Undersea Salvage Simulation Study; Feasibility of, May 71<br>(AD 725427)  | U            |
| 69-C-0117-1<br>Vols I-II | BW              | 8-70  | Generalized Submarine Advanced Casualty Ship<br>Control Training Device; A Study of (AD 878836)   | U            |
| 69-C-0132-1              | FH              | 1-70  | Wide Angle Pinhole Lens and TV Camera System Design;<br>Fabrication and Checkout (AD 867070)  | U            |
| 69-C-0140-1<br>Vol I     | BW              | 3-71  | Training Device Needs for Meeting Basic Officer Tactics<br>Training Requirements; Study of (AD 726428)  | U            |
| 69-C-0140-1<br>Vol II    | BW              | 3-71  | Training Device Needs for Meeting Basic Officer Tactics<br>Training Requirements; Study of (AD 516714)  | C-4          |
| 69-C-0151-1              | FK              | 6-70  | Automated Weapon System Trainer (AD 872854)   | U            |
| 69-C-0152-1              | BI              | 1-70  | Generalized Underwater Fire-Control System<br>Maintenance Trainer: A Study of the Feasibility<br>and Desirability of Developing a (AD 871547)   | U            |
| 69-C-0156-1              | CV              | 1-72  | Adaptive Training of Manual Control: 1. Comparison of<br>Three Adaptive Variables and Two Logic Schemes (AD 736621)   | U            |
| 69-C-0178-1              | FL              | 4-70  | Armed Aircraft Qualification Range Scoring System;<br>Report on Results of Concept Formulation<br>Activities for (AD 870828)  | U            |
| 69-C-0179-1              | FM              | 4-70  | Armed Aircraft Qualification Range Scoring System;<br>Concept Formulation Study for (AD 869900)   | U            |
| 69-C-0181-1              | AO              | 6-70  | Natural and Treated Fuel-Oil Fires; Analysis<br>of Stack Gases for (AD 881530)  | U            |
| 69-C-0188-1              | FG              | 12-70 | Perceptually Similar Visual Environment Study,<br>Final Report (AD 881976)  | U            |
| 69-C-0192-1              | FN              | 8-70  | Two Lenses for 160 Degrees X 60 Degrees Closed<br>Circuit Projection TV; Final Report on the<br>Development of (AD 874278)  | U            |
| 69-C-0253-1              | EP              | 9-71  | Learning, Retention and Transfer in Military Training   | U            |
| 69-C-0268-1              | BI              | 6-71  | Digital Sonar Maintenance Trainer: An Adjunct to Device<br>14E22; Design Characteristics of (AD 729019)   | U            |
| 69-C-0269-4              | BZ              | 11-70 | Large Screen Discrete Element Matrix Display;<br>An Investigation of (AD 878773)  | U            |
| 69-C-0278-1              | AH              | 1-71  | Trainee and Instructor Task Quantification: Development of<br>Quantitative Indices and A Predictive Methodology (AD 722423)   | U            |
| 69-C-0298-1              | BH              | 9-71  | Human Factors Inputs to the Training Device Design<br>Process (AD 734644)   | U            |

## NAVTRADEV P-3695

| NAVTRA-<br>DEVCE | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|------------------|-----------------|-------|---|--------------|
| 69-C-0301-1      | DO              | 12-70 | Navy Avionics Manuals; Analysis and Evaluation of (AD 880414)   | U            |
| 69-C-0304-1      | CV              | 4-71  | Visual, Aural, Motion and Control Movement Cues; An Investigation of (AD 726430)  | U            |
| 69-C-0310-1      | EI              | 8-71  | Experimental Model, ECM Deception Repeater Trainer  | S-3          |
| 69-C-0322-1      | FO              | 12-70 | Submarine Diving Trainer Effectiveness; A Study of Training Effectiveness Evaluation of Naval Training Devices Part I (AD 879712)       | U            |
| 69-C-0322-2      | FO              | 7-71  | Naval Training Devices, Part II: A Study of Device 2F66A (S-2E Trainer) Effectiveness; Training Effectiveness Evaluation of (AD 732795) | U            |
| 69-1             | AH              | 4-57  | Fire Unit Proficiency Analyser; Human Factors Recommendations for the Redstone Missile (AD 130703)                                      | U            |
| 69-2             | AH              | 6-58  | Fire Unit Proficiency Analyser; Human Factors Support in the Design and Use of the Redstone (AD 203254)                                 | U            |
| 69-3             | AH              | 8-57  | Fire Unit Proficiency Analyser, The Prototype; Instructor-Umpire Guide for (AD 205253)  | U            |
| 69-4             | AH              | 8-57  | Fire Unit Proficiency Analyser, The Prototype; Appendix to the Instructor-Umpire Guide for (AD 302866)                                  | U            |
| 69-5             | AH              | 8-57  | Fire Unit Proficiency Analyser, (Test Exercise 1), The Prototype; Test Exercises for (AD 303120)  | U            |
| 69-6             | AH              | 8-57  | Fire Unit Proficiency Analyser, (Test Exercise 2), The Prototype; Test Exercises for (AD 303119)  | U            |
| 69-7             | AH              | 8-57  | Fire Unit Proficiency Analyser, The Prototype: Training Guide for (AD 205252)   | U            |
| 70-C-0025-1      | FP              | 2-71  | Simulation; Display Techniques for (AD 881072)  | U            |
| 70-C-0046-1      | CA              | 2-71  | Behavioral Science Programming Language: Development of (AD 726432)   | U            |
| 70-C-0059-1      | FQ              | 2-71  | Crew Performance Measurement for High Performance Aircraft Weapon System Training: Air To Air Intercept: Study of (AD 727739)           | U            |
| 70-C-0132-1      | FK              | 1-72  | Automated Training Evaluation (ATE) (AD 736932)   | U            |
| 70-C-0189-1      | BH              | 11-71 | Training Device Employment Materials  | U            |
| 70-C-0249-1      | BI              | 9-71  | Generalized Fire-Control System Maintenance Trainer (GFCSMT); Design Characteristics of   | U            |
| 70-C-0262-2      | DS              | 6-71  | Hybrid Radar Landmass Simulator: Engineering Report Nr 7: Development of  | U            |
| 70-C-0309-1      | FR              | 9-71  | Generalized Training Devices: Application and Design Characteristics of (AD 733471)   | U            |
| 70-C-0310-1      | EP              | 1-72  | Automated Operator Instruction in Team Tactics  | U            |
| 70-C-0312-1      | CE              | 10-71 | Advanced Vehicle Simulation Techniques Final Report; Study of   | U            |
| 71-16-1          | AJ              | 4-49  | Instrument Flight, Information Required by Pilots: Preliminary Analysis of (ATI 70739)  | U            |
| 71-16-1M         | AJ              | 6-54  | Heading System: I-CA-2. (Modification of Memo-Report) (AD 638347)   | U            |
| 71-16-2          | AJ              | 6-49  | Rotation-Indicating Visual Displays as a Function of Confidence in the Displays: Obedience to (AD 657572)                               | U            |
| 71-16-3          | AJ              | 6-49  | Visible Horizon, The Extent and Distribution of: Pilot Performance in Instrument Flight as a Function of (AD 136800)                    | U            |
| 71-16-4          | AJ              | 7-49  | Aircraft Instruments: Suggestions Concerning Desirable Displays Characteristics for (AD 657194)   | U            |
| 71-16-5          | AJ              | 7-49  | Contact Flight Training: Evaluation of the Link SNJ Operational Trainer as an Aid in (AD 637621)  | U            |
| 71-16-5a         | AJ              | 12-48 | Airplane Pilot Performance in Landing: The Effects of Eliminating Binocular and Peripheral Monocular Visual Cues Upon (AD 639031)       | U            |
| 71-16-6          | AJ              | 7-60  | Moving Figure and Orientation of Symbols on Pictorial Aircraft Instrument Displays for Navigation: Study of (AD 657470)                 | U            |
| 71-16-7          | AJ              | 12-50 | Ground Reference Maneuvers; Evaluation of the School Link as an Aid in Teaching (AD 657473)   | U            |
| 71-16-8          | AJ              | 3-51  | Landing Displays for use with a Contact Flight (AD 657193)  | U            |
| 71-16-9          | AJ              | 52    | Periscope; Flight by (AD 639032)  | U            |
| 71-16-10         | AJ              | 11-53 | Air Navigation Displays, Pictorial; A Study of the Moving Part, Heading Presentation, and Map Detail on Pictorial (AD 637538)           | U            |
| 71-16-11         | AJ              | 3-54  | Landing Performance using a Contact Landing Trainer; Improving (AD 121200)  | U            |

| NAVTRA-<br>DEVCE | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|------------------|-----------------|-------|--|--------------|
| 71-16-13         | AJ              | 3-55  | Short Range Navigation; Comparison of the Omni Bearing Indicator and the Radio Magnetic Indicator in (AD 112279)             | U            |
| 71-16-14         | AJ              | 3-55  | Radar Vectoring; Human Performance in (AD 90614)   | U            |
| 71-16-15         | AJ              | 6-55  | Air Traffic Control Procedures; Two Simulators for Training Pilots and Controllers in (AD 70889)                             | U            |
| 71-16-16         | AJ              | 9-57  | Selected Ground Training Devices to the Aircraft; Transfer of Training in Flight; Procedures from (AD 149547)                | U            |
| 71-16-17         | AJ              | 11-58 | Flying Proficiency Problems in the Naval Air Reserve Training Command; Survey of (AD 209185)                                 | U            |
| 71-16-18         | AJ              | 1-59  | Instrument Flying Skills as a Function of the Level of Initial Proficiency; The Forgetting of (AD 637570)                    | U            |
| 71-43-1          | AJ              | 10-53 | Aviation Training, Army; Study of (AD 109263)  | U            |
| 74-1             | AW              | 9-59  | VTOL Aircraft, Jet; A Training Analysis of the Pilot's Task in Transitioning to (AD 231477)                                  | U            |
| 76-1             | AV              | 2-57  | Bullpup Missile Ground and In-flight Trainers; Proposed Evaluation for (AD 378903)   | C-3          |
| 76-2             | AV              | 10-57 | Flying, Low Altitude; An Analysis of (AD 159629)   | U            |
| 76-3             | AV              | 12-57 | Undersea Warfare Tactical Trainer, Device RS-8A; Instructor's Guide for the Operation of (AD 301768)                         | U            |
| 78-1             | AU              | 4-58  | Transparencies, Animated and Static; The Comparative Effectiveness of (AD 638330)  | U            |
| 78-2             | AU              | 4-60  | Driving Skills Through Exposure to a Specially Produced Motion Picture Film; A Study of the Learning of Selected (AD 237913) | U            |
| 90-1             | AT              | 10-57 | Television Multiple Insertion Techniques; Final Engineering Study Report on (AD 219762)                                      | U            |
| 104-2-1          | AS              |       | Frequency Distortion in the 8-1 Portable Interphone Trainer (AD 657467)  | U            |
| 104-2-2          | AS              | 3-47  | Voice Communication Training Equipment Utilizing Device 8-1; Directions for Installation and Operation of (AD 657465)        | U            |
| 104-2-3          | AS              | 7-47  | Voice Communication Training (Abstract); An Experimental Comparison of 5 Conditions for (AD 657469)                          | U            |
| 104-2-4          | AS              | 8-47  | Voice Communication Training; An Experimental Comparison of 5 Conditions for (AD 638355)                                     | U            |
| 104-2-5          | AS              | 1-48  | Voice Communication: Retention of Improved Intelligibility (AD 656629)   | U            |
| 104-2-6          | AS              | 4-48  | Speech Intensity Demonstrator; Purdue (AD 638353)  | U            |
| 104-2-7          | AS              | 4-48  | Speech Sound Timer; Purdue (AD 657468)   | U            |
| 104-2-8          | AS              | 4-48  | Voice Communication: Intelligibility Training with Purdue Speech Intensity Demonstrator (AD 654585)                          | U            |
| 104-2-9          | AS              | 8-48  | Voice Communication: Retention of Improved Intelligibility II (AD 638351)  | U            |
| 104-2-10         | AS              | 9-48  | Voice Communication: Effect of Stress Conditions on Speaker Intelligibility (AD 638350)                                      | U            |
| 104-2-11         | AS              | 10-48 | Voice Communication: Effect of Stress on Talkers — A Personality Study (AD 656631)   | U            |
| 104-2-12         | AS              | 12-48 | Interphone Trainer, Device 8-1, Portable; Training Manual for (AD 639618)  | U            |
| 104-2-13         | AS              | 3-49  | Voice Communication Training After One Year; Retention of (AD 639085)  | U            |
| 104-2-14         | AS              | 6-49  | Speaking Rate, Duration and Intensity; Effect of Level of Distracting Noise upon (AD 656630)                                 | U            |
| 104-2-15         | AS              | 7-49  | Intelligibility; Syllable Duration and Intensity Related to (AD 639084)  | U            |
| 104-2-16         | AS              | 9-49  | Rate; Revised Concept of (AD 639086)   | U            |
| 104-2-17         | AS              | 12-49 | Intelligibility Testing in Three Conditions Involving Masking Noise (AD 111557)  | U            |
| 104-2-18         | AS              | 49    | Fundamental Frequency Analyzer; The Purdue Pitch Meter, a Direct-Reading (AD 639087)   | U            |
| 104-2-19         | AS              | 4-50  | Intelligibility Test Series, VCL; Item Analysis (AD 647402)  | U            |
| 104-2-20         | AS              | 6-50  | Intelligibility Testing; The Manual-Verbal Response Tachistoscope; Distracting Device for (AD 639088)                        | U            |
| 104-2-21         | AS              | 12-50 | Mental Tasks, Three; The Effect of Various Noise Levels on Performance of (AD 639089)  | U            |
| 104-2-22         | AS              | 51    | Voice Communication; The Retention of Improved Intelligibility in (AD 647139)  | U            |
| 104-2-23         | AS              | 6-51  | Speech Reception Testing; Studies in (AD 639090)   | U            |

## NAVTRADEV P-3695

| NAVTRA-<br>DEV-CEN | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|--------------------|-----------------|-------|--|--------------|
| 104-2-24           | AS              | 6-51  | Public Address Equipment, Military; A Study of the Intelligibility Characteristics of Seven Items of (AD 639094)                           | U            |
| 104-2-25           | AS              | 11-51 | Voice Variables and Speech Intelligibility in High Level Noise; Relationships between (AD 639095)  | U            |
| 104-2-26           | AS              | 4-55  | Voice Variables and Speech Intelligibility in High Level Noise; A Further Investigation of the Relationships between (AD 639096)           | U            |
| 104-2-27           | AS              | 11-53 | Speech Intelligibility Related to Motor Activity in High Level Noise (AD 45502)  | U            |
| 104-2-28           | AS              | 53    | Intelligibility Critiques and Notes Personality Traits and Speaking (AD 45389)   | U            |
| 104-2-29           | AS              | 11-53 | Talkers; The Relative Intelligibility of Male and Female (AD 45390)  | U            |
| 104-2-30           | AS              | 10-54 | Talker Intelligibility and Message Familiarity; The Relationship between (AD 639097)   | U            |
| 104-2-31           | AS              | 10-54 | Training; Intensity Monitoring Performance as a Function of (AD 639098)  | U            |
| 104-2-32           | AS              | 3-54  | Speech Feedback; Some Vocal Effects of Different Reading Passages and Time Delays in (AD 42981)  | U            |
| 104-2-33           | AS              | 10-53 | Talkers in Military Communication; Utilization of the Sonograph as an Instrument for Predicting the Relative Intelligibility of (AD 45503) | U            |
| 104-2-34           | AS              | 10-53 | Complex Sounds; A Fundamental Frequency Recorder for (AD 45504)  | U            |
| 104-2-35           | AS              | 1-54  | Vocal Rate-Duration and Intensity; The Equating of Reading Materials for (AD 42860)  | U            |
| 104-2-36           | AS              | 12-54 | Verbal Context; Communication in Noise: Success Related to Three Degrees of Emphasis on (AD 639099)  | U            |
| 104-2-37           | AS              | 10-54 | Speech Feedback, Delayed; Relationships Between Certain Aspects of Personality and Some Vocal Effects of (AD 221573)                       | U            |
| 104-2-38           | AS              | 12-54 | Noise, High Level and Accuracy, Listener; The Relation Between Duration of Exposure to (AD 639103)   | U            |
| 104-2-39           | AS              | 12-54 | Listener Accuracy in an Environment of Relevant Conflicting Voice Signals; An Investigation of (AD 639104)                                 | U            |
| 104-2-40           | AS              | 4-55  | Monaural vs Binaural Listening in Various Levels of Noise; The Relative Efficiency of (AD 109246)  | U            |
| 104-2-41           | AS              | 4-55  | Training Devices, Procedures and Equipment; A Field Study of Voice Communication Problems as Related to (AD 75348)                         | U            |
| 104-2-42           | AS              | 4-55  | Communication Messages Aboard Naval Vessels; A Study of Type and Frequency of (AD 78536)   | U            |
| 104-2-43           | AS              | 10-55 | Listening Accuracy and Concurrent Psychomotor Activity; The Relationship Between (AD 109245)   | U            |
| 104-2-44           | AS              | 2-57  | Listening Intelligibility: A Method of Developing a Set of Equated Lists for the Measurement of (AD 127496)                                | U            |
| 104-2-45           | AS              | 2-56  | Voice Communications Training Device: Functional Specifications for a (AD 95052)   | U            |
| 104-2-46           | AS              | 3-56  | Voice Communication Training Device: Evaluation of a Tape Recorder-Reproducer as a Component in a (AD 127495)                              | U            |
| 104-2-47           | AS              | 3-56  | Voice Communication Training Device: Evaluation of a Signal Level Monitoring Meter as a Component in (AD 639105)                           | U            |
| 104-2-48           | AS              | 2-57  | Voice; A Factor Analysis of Twelve Physical Measures of (AD 639106)  | U            |
| 104-2-49           | AS              | 2-57  | Monaural and Binaural Auditory Discrimination in Noise; An Investigation of (AD 125185)  | U            |
| 104-2-50           | AS              | 2-57  | Speaking and Listening Abilities; A Study of the Effects of Stress on (AD 639107)  | U            |
| 104-2-51           | AS              | 6-57  | Voice Communication; Intelligibility of (A Review of Past and Projected Research, Training Devices, and Methods) (AD 143738)               | U            |
| 104-2-52           | AS              | 6-58  | Voice Communication Research; Annotated Bibliography of (AD 202401)  | U            |
| 106-1              | AU              |       | Stability Instrumentation; Preliminary Report on   | U            |
| 106-2              | AU              | 11-48 | Vertical; Preliminary Report on some Existing Methods For Achieving a Stable   | C            |
| 106-3              | AU              | 11-48 | Accelerometers; Preliminary Report Survey and Evaluation of  | S            |
| 106-4              | AU              | 1-49  | Oscillator, Magnetically Damped Mechanical; Preliminary Report on  | C            |
| 106-5              | AU              | 2-49  | Deviation of Aerial Cameras from the Vertical; Preliminary Report on some Methods for Finding  | C            |



| NAVTRA-<br>DEVGEN | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|-------------------|-----------------|-------|---|--------------|
| 106-6             | AU              | 6-49  | Measurements, High Sensitivity and Wide Range; Preliminary Report on a Method for   | C            |
| 106-7             | AU              | 6-49  | Photoelectric Transducer; Preliminary Report on the Linear  | C            |
| 106-8             | AU              | 2-50  | Vertical Reference, Establishing a; Preliminary Report on General Analysis of the Problem of  | C            |
| 106-9             | AU              | 2-50  | Vertical Reference System Method I; Preliminary Report on   | C            |
| 106-10            | AU              | 2-50  | Vertical Reference System Method II; Preliminary Report on  | C            |
| 106-11            | AU              | 2-50  | Vertical Reference System Method III; Preliminary Report on   | C            |
| 106-12            | AU              | 5-50  | Low Drift Long Term Integration; Preliminary Report on a Method of  | C            |
| 106-13            | AU              | 12-50 | Vertical Reference System; An Airborne  | C            |
| 106-14            | AU              | 2-51  | Vertical Reference System (Report A); Computer Development for an Airborne  | C            |
| 106-15            | AU              | 3-51  | Vertical Reference System; Simulator Analysis of  | C            |
| 106-21            | AU              | 6-53  | Vertical Indicating Systems; A Short Description of (A Review 2-48 through 5-53)  | C            |
| 110F              | BA              |       | Helicopter Main Rotor Blade Tracking Device, 9-U-96 (Final Report Part I)   | U            |
| 115-1             | AY              | 10-61 | Radar Land Mass Simulator Experimental Model; Final Engineering Report for  | U            |
| 128-1             |                 | 6-58  | Digital Integration and Resolution Design Study, Device 24DR1; Final Report on  | U            |
| 128-2             |                 | 8-58  | Digital Integration and Resolution Design Study Part II Numerical Solution of Ship Equations, Device 24DR1; Final Report on   | C-3          |
| 131-1-MHC-8       | AX              | 9-51  | Differential Reinforcement of the Discrimination of Visual Number; The Effect of (AD 657402)  | U            |
| 131-1-1           | AX              | 9-51  | Visual Numbers; The Effect of a Simple Training Procedure on the Judgement of (AD 639142)   | U            |
| 131-1-2           | AX              | 9-51  | Hue, Brilliance, Area and Shape; The Speed and Accuracy of Discriminating Differences in (AD 639143)  | U            |
| 131-1-3           | AX              | 7-52  | Number and Texture-Density; The Speed and Accuracy of Discriminating Differences in (AD 140735)   | U            |
| 131-1-4           | AX              |       | Vision; The Speed and Accuracy of Discriminating Differences in Single and Compounded Aspects of (AD 639144)  | U            |
| 131-1-5           | AX              | 1-53  | Project 20-L-2. Psychophysical Research Summary Report, 1946-1952 (AD 639496)   | U            |
| 151-1-1           | AZ              | 4-47  | Aircraft, R5D Multi-Engine; An Analysis of Pilot's Performance in (AD 639026)   | U            |
| 151-1-2           | AZ              | 8-47  | Aircraft; 1; Atmospheric Ozone: Human Problems in the Operation of High Speed (AD 639027)   | U            |
| 151-1-3           | AZ              | 8-47  | Submarine Periscope Controls; Comments on Design of (AD 660030)   | U            |
| 151-1-4           | AZ              | 9-47  | Submarine Equipment: Analysis of War Patrol Reports and Interview; The Human Factor in the Design and Layout of (AD 642737)   | U            |
| 151-1-5           | AZ              | 10-47 | Submarine Equipment: Kollmorgen any Height Periscope; The Human Factor in the Design of and Layout of (originally C-4)  | U            |
| 151-1-6           | AZ              | 11-47 | Submarine Equipment: Analysis of Equipment Ratings and Proposed Layout of Submarine Attack Center; The Human Factor in the Design and Layout of (originally C-4), (AD 642736) | U            |
| 151-1-7           | AZ              | 2-48  | Submarine Equipment: The Kollmorgen any Height Periscope (PR 9); The Human Factor in the Design and Layout of (originally C-4) (AD 642734)                                    | U            |
| 151-1-8           | AZ              | 2-48  | Aircraft; The Human Factor in the Design of Stick and Rudder Control for (AD 639028)  | U            |
| 151-1-9           | AZ              | 2-48  | Aircraft, High Speed; A Bibliographic Evaluation of the Effects of Acceleration on the Control and Safety of (AD 642801)  | U            |
| 151-1-10          | AZ              | 2-48  | Pilot Candidate Selection Research Program; The Special Devices used in the Pensacola (AD 639055)   | U            |
| 151-1-11          | AZ              | 2-48  | Human Tolerance to G Forces; A Method of Increasing the Maneuverability of High Speed Aircraft Within the Limits of (AD 657449)   | U            |
| 151-1-12          | AZ              | 3-48  | Combat Information Center, Submarine; Arrangement of Equipment in (AD 135631)   | U            |
| 151-1-13          | AZ              | 3-48  | Reaction Time; The Effect of Ambient and Body Temperatures upon (AD 657481)   | U            |



| NAVTRA-<br>DEVGEN | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|-------------------|-----------------|-------|---|--------------|
| 151-1-14          | AZ              | 4-48  | Visibility from High Altitude Aircraft; Estimates of (AD 642798)  | U            |
| 151-1-15          | AZ              | 4-48  | Ultrasonic Vibrations on man; The Effects of (AD 639363)  | U            |
| 151-1-16          | AZ              | 5-48  | Equipment Design Problems; The Use of Human Engineering Data in (AD 639029)   | U            |
| 151-1-17          | AZ              | 6-48  | High Speed Aircraft: A Critical Review: The Effect of Heat Upon the Performance of Men in (originally Restricted) (AD 657482)             | U            |
| 151-1-18          | AZ              | 8-49  | Primary Flight Training: Their Training and Selection Value; Special Devices in (ATI 64943)   | U            |
| 166-00-1          | AA              | 12-51 | Retroactive Interference in Pursuit Rotor Learning; Demonstration of (AD 639306)  | U            |
| 166-00-2          | AA              | 12-51 | Retroactive Facilitation and Interference in Performance on the Modified Two-Hand Coordinator (AD 639362)                                 | U            |
| 166-00-3          | AA              | 7-52  | Retroactive Facilitation and Interference; Simultaneous Functioning of (AD 128719)  | U            |
| 166-1-MHC1        | AX              | 5-47  | Direct Estimates of Bearing from Large Display Screens; Accuracy and Variability of (AD 639359)   | U            |
| 166-1-MHC2        | AX              | 1-48  | Estimation of Bearing; Special Problems in (AD 658891)  | U            |
| 166-1-MHC4        | AX              | 9-47  | Adjusting an Indicator to a Required Bearing; Accuracy, Variability, and Speed of (AD 639358)   | U            |
| 166-1-MHC5        | AX              | 10-49 | Visual Number; Discrimination of (AD 132905)  | U            |
| 166-1-MHC6        | AX              | 10-50 | Visually Presented Field of Dots; Subitizing and Counting of (AD 639360)  | U            |
| 166-1-1           | BB              | 8-46  | VG Remote PPI; Study of Factors Affecting Operation of (AD 657477)  | U            |
| 166-1-2           | BB              | 9-46  | VG Remote PPI; Some Perceptual Problems in use of (AD 639368)   | U            |
| 166-1-3           | BB              | 11-46 | Direct-Reading Counter-Type Indicator vs Conventional Radar Bearing and Range Dials; Speed of Reading Target Information from (AD 127071) | U            |
| 166-1-4           | BB              | 11-46 | Visual Research; Projection Timer for (AD 639370)   | U            |
| 166-1-5           | BB              | 12-46 | Oral Transmission of Target Information; Accuracy of (AD 639380)  | U            |
| 166-1-6           | BB              | 12-46 | Cathode-Ray Tube Bias on Visibility of Targets on a Remote PPI: Effect of (AD 639371)   | U            |
| 166-1-7           | BB              | 1-47  | Pip-Scans and Target-Detectability on Certain High Persistence PPI Tubes; Number of (AD 639374)   | U            |
| 166-1-8           | BB              | 1-47  | Vertical Surfaces; Maximum Limits of Working Areas on (AD 639369)   | U            |
| 166-1-9           | BB              | 2-47  | Manual and Standard Methods of Target Indication; Comparison of (AD 639375)   | U            |
| 166-1-10          | BB              | 2-47  | Cathode-Ray Tube (PPI Presentation) with and without an Associated Auditory Signal; Detection of New Targets on (AD 72813)                | U            |
| 166-1-11          | BB              | 2-47  | Bearing and Range Errors Due to Delays in Transmission of Radar Information; Calculation of (AD 639296)                                   | U            |
| 166-1-12          | BB              | 2-47  | Range and Bearing Reports from Two VF Radar Repeaters Tracking the Same Target Simultaneously with the B-Scope; Agreement in (AD 639295)  | U            |
| 166-1-13          | BB              | 5-47  | Short Tones as a Function of Repetition Rates; Auditory Threshold of (AD 639682)  | U            |
| 166-1-14          | BB              | 5-47  | Short Tones: I. Two Kinds of Pitch Threshold; Pitch Characteristics of (AD 639681)  | U            |
| 166-1-15          |                 | 6-47  | SG-1b MOD 50 Radar; The Accuracy of (AD 821792)   | U            |
| 166-1-16          | BB              | 6-47  | Binaural Loudness Matching with Repeated Short Tones; Accuracy of (AD 43979)  | U            |
| 166-1-17          | BB              | 7-47  | Controls and Displays on Radar Console Panel: A Contribution to a Panel Layout; Survey of the Importance and use of (AD 639376)           | U            |
| 166-1-18          | BB              | 7-47  | Temporal Integration of Energy in the Ear; Effect of Frequency Spectrum on (AD 639686)  | U            |
| 166-1-19          | BB              | 47    | Men and Machines (AD 639366)  | U            |
| 166-1-20          | BB              | 7-47  | Alignment Errors Between the Bearing Cursor and Antenna Trace on the PPI of the SG-1b (MOD 50) Radar; Study of (AD 639394)                | U            |
| 166-1-21          | BB              | 4-53  | Timer; Audio (AD 44181)   | U            |
| 166-1-22          | BB              | 4-48  | Cranking a Hand Wheel at Different Positions on a Vertical Surface; Relative Performance for (AD 144672)                                  | U            |
| 166-1-23          | BB              | 7-47  | Vertical Plotting Board; Brightness of Grease Pencil Marks on (AD 639381)   | U            |

| NAVTRA-<br>DEV-CEN | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|--------------------|-----------------|-------|--|--------------|
| 166-1-24           | BB              | 9-47  | SG-1b (MOD 50) Radar; Target Indication from the PPI of (AD 62804)   | U            |
| 166-1-25           | BB              | 7-47  | Pip Range Determination by the VF Remote Radar Indicator; Comparison of the Center vs Leading Edge of the Target in (AD 639383)            | U            |
| 166-1-26           | BB              | 8-47  | Bearing Counter and Bearing Dial for Use with PPI Presentations; Relative Efficiency of (AD 639384)  | U            |
| 166-1-27           | BB              | 47    | Voice Reaction Time; Electronic Chronograph for Measurement of (AD 639379)   | U            |
| 166-1-28           | BB              | 7-47  | Detecting Weak Radar Targets; Search Factor in (AD 657478)   | U            |
| 166-1-29           | BB              | 11-47 | Range Estimation on a PPI with Respect to the Distance of the Target from Range Rings; Accuracy of (AD 639385)                             | U            |
| 166-1-30           | BB              | 9-47  | Radar Signals on a Plan Position Indicator; Signal Mark Size and Visibility of (AD 639367)   | U            |
| 166-1-31           | BB              | 48    | Span of Attention; Reaction Time as a Measure of (AD 657518)   | U            |
| 166-1-32           | BB              | 10-47 | Cathode-Ray Tube Screens: The Effects of Light Adaptation; Visibility on (AD 639390)   | U            |
| 166-1-33           | BB              | 4-48  | Instrument Dial Shape on Legibility; Effect of (AD 639364)   | U            |
| 166-1-34           | BB              | 11-47 | Target Indication as a Function of Instruction (AD 46732)  | U            |
| 166-1-35           | BB              | 4-48  | Cathode-Ray Tube Screens: Signals on a P7 Screen Seen at Different Intervals after Excitation; Visibility on (AD 657515)                   | U            |
| 166-1-36           | BB              | 9-47  | Linear Motion Characteristics Recorder (AD 639286)   | U            |
| 166-1-37           | BB              | 12-47 | Plan Position Indicator Presenting Simulated Bearing, Range and Height Information; Appraisal of an Experimental (AD 639287)               | U            |
| 166-1-38           | BB              | 48    | Cathode-Ray Tube Screens: Problems and Methods; Visibility on (AD 639290)  | U            |
| 166-1-39           | BB              | 12-47 | Numerals for Use in Counter-type Instruments: A Review of the Literature; Design of (AD 639365)  | U            |
| 166-1-40           | BB              | 7-48  | Rotating Sweep; Illusory (AD 639391)   | U            |
| 166-1-41           | BB              | 7-48  | VJ Remote Radar Indicator and its Effect on Operator performance; Mounting Angle of (AD 646273)  | U            |
| 166-1-42           | BB              | 48    | Cathode-Ray Tube Screens: Screen Brightness; Visibility on (AD 657520)   | U            |
| 166-1-43           | BB              | 2-48  | Short Tones, Repeated; Loudness of (AD 657527)   | U            |
| 166-1-44           | BB              | 4-48  | Estimations of Distance on Polar Coordinates Plots as a Function of the Scale Used (AD 639392)   | U            |
| 166-1-45           | BB              | 1-48  | Cathode-Ray Tube Screen Displays; Recording Photometer and its use in Studies of (AD 639280)   | U            |
| 166-1-46           | BB              | 8-48  | Aligning the Movable Range Marker with Blips on the Plan Position Indicator; Accuracy of (AD 639288)                                       | U            |
| 166-1-47           | BB              | 3-48  | Light Flash Generator (AD 204059)  | U            |
| 166-1-48           | BB              | 8-48  | Short Tones: II. Pitch as a Function of Tonal Duration; Pitch Characteristics of (AD 657521)   | U            |
| 166-1-49           | BB              | 1-51  | Analyzing Errors in Man-Machine Systems; Theory and Methods for (AD 657522)  | U            |
| 166-1-50           | BB              | 49    | Rotary Performance; Factors Influencing (AD 639393)  | U            |
| 166-1-51           | BB              | 8-48  | Subjective Brightness; Scale of (AD 640081)  | U            |
| 166-1-52           | BB              | 4-49  | Circular Scale Markers as a Function of the Separation Between Markers; Accuracy of Visual Interpolation Between (AD 657516)               | U            |
| 166-1-53           | BB              | 9-48  | VF Aided Tracking Equipment; Some Experiments with (AD 640082)   | U            |
| 166-1-56           | BB              | 49    | Cathode-Ray Tube Screens: Intensity and Color of Ambient Illumination; Visibility on (AD 639862)   | U            |
| 166-1-57           | BB              | 12-48 | Cathode-Ray Tube Screens: The Effect of Size and Shape of Pip; Visibility on (AD 639863)   | U            |
| 166-1-58           | BB              | 5-49  | VJ Remote Radar; Appraisal of (AD 640059)  | U            |
| 166-1-59           | BB              | 10-50 | Manual Rotary Positioning Movements: I. The Precision of Setting an Indicator Knob to Various Angular Positions; Studies of (AD 639864)    | U            |
| 166-1-60           | BB              | 1-49  | Small Time Intervals Between a Visual and an Auditory Signal; Discrimination of (AD 657623)  | U            |
| 166-1-66           | BB              | 11-48 | Target Designation Transmitter MK II MOD I and the Bearing and Range Indicator MK III, MOD II; Speed and Accuracy of Operating (AD 639627) | U            |

## NAVTRADEV P-3695

| NAVTRA-<br>DEV CEN | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|--------------------|-----------------|-------|--|--------------|
| 166-1-67           | BB              | 2-49  | Target Brightness on Normal and Subnormal Visual Activity; Effect of (AD 640085)   | U            |
| 166-1-68           | BB              | 10-48 | Target Coding by Means of Visual Flicker (AD 640060)   | U            |
| 166-1-70           | BB              | 2-50  | Azimuth Position; Accuracy of Visual Estimation of (AD 127072)   | U            |
| 166-1-71           | BB              | 1-49  | Auditory Signals (AD 639628)   | U            |
| 166-1-72           | BB              | 4-49  | Complex Information; Visual Display of (AD 644706)   | U            |
| 166-1-73           | BB              | 3-49  | Maneuverable Target Positioning Unit (AD 640061)   | U            |
| 166-1-75           | BB              | 2-51  | Automatic Target Positioning Unit, Model 1 (AD 640071)   | U            |
| 166-1-76           | BB              | 6-49  | TGS-1 Target Generating System (AD 640072)   | U            |
| 166-1-77           | BB              | 10-49 | TGS-1 Antenna Simulator, MOD 1 (AD 640073)   | U            |
| 166-1-79           | BB              | 1-49  | Range Rings; Effects of Size and Brightness on the Speed of Identifying Number of (AD 657622)                                  | U            |
| 166-1-80           | BB              | 1-49  | Sixty-Inch Vertical Plotting Boards; Appraisal of Development Models of (AD 640076)  | U            |
| 166-1-81           | BB              | 5-49  | Bearing and Range in Rectangular Coordinates; Simulated Display of (AD 640075)   | U            |
| 166-1-82           | BB              | 2-49  | Radar Scopes; Visibility on (AD 493403)  | U            |
| 166-1-83           | BB              | 6-49  | Cathode-Ray Screens: Signals on a P-7 Screen Exposed for Different Intervals; Visibility on (AD 639865)                        | U            |
| 166-1-84           | BB              | 3-49  | Audio Signals for Identification of Radar Signals; Use of (AD 644708)  | U            |
| 166-1-85           | BB              | 49    | How We See; A Summary of Basic Principles (AD 204769)  | U            |
| 166-1-86           | BB              | 8-49  | Machine Dials and Scales (AD 639866)   | U            |
| 166-1-87           | BB              | 3-49  | Mechanical Stimulation; Discrimination of Small Differences in the Time of (AD 43980)  | U            |
| 166-1-88           | BB              | 49    | Short Tones; Loudness and Loudness Matching of (AD 640086)   | U            |
| 166-1-89           | BB              | 6-49  | Color Vision Due to Training--A Report of Three Cases; Stability of Improvement in (AD 639687)                                 | U            |
| 166-1-90           | BB              | 49    | Normal and Abnormal Color Vision; Simultaneous Chromatic Contrast in (AD 639688)   | U            |
| 166-1-91           | BB              | 6-49  | VJ Remote Radar Indicator; Some Aspects of Operator Performance on (AD 639855)   | U            |
| 166-1-92           | BB              | 49    | Cathode-Ray Screens: Viewing Angle; Visibility on (AD 640087)  | U            |
| 166-1-93           | BB              | 5-49  | Coding Information For Visual Displays; Psychological Problems in (AD 640077)  | U            |
| 166-1-94           | BB              | 6-49  | Square Pulse Electronic Stimulator (AD 647140)   | U            |
| 166-1-95           | BB              | 8-49  | Range Rings on Polar Coordinate Displays; Some Design Factors Affecting the Speed of Identification of (AD 50615)              | U            |
| 166-1-96           | BB              | 6-49  | Cursors for PPI; Gear Ratios for (AD 640079)   | U            |
| 166-1-97           | BB              |       | Fractional Data: A Validation; Construction of Subjective Brightness Scales from (AD 640088)                                   | U            |
| 166-1-98           | BB              | 11-49 | Three-Dimensional Display; Target Simulator for (AD 644707)  | U            |
| 166-1-99           | BB              | 49    | Panel Design; Human Factors in (AD 657547)   | U            |
| 166-1-100          | BB              | 49    | Pitch and Loudness Functions; Effect of Psychophysical Method and Context on (AD 640089)                                       | U            |
| 166-1-101          | BB              | 11-49 | Cathode-Ray Screens: Search Time as a Function of Signal Strength; Visibility of (AD 640090)                                   | U            |
| 166-1-102          | BB              | 10-49 | Cathode-Ray Screens: Positive vs Negative Signals on an Intensity Modulated Scope; Visibility on (AD 640092)                   | U            |
| 166-1-103          | BB              | 11-49 | Age, Visual Acuity, and Color Vision; Relationships Between (AD 639867)  | U            |
| 166-1-104          | BB              | 3-50  | Psychological Research; Control Central a Radar Simulator for (AD 660010)  | U            |
| 166-1-105          | BB              | 11-49 | Visual Codes Proposed for the Integrated Electronics Display System; Preliminary Recommendations on the Types of (AD 644644)   | U            |
| 166-1-106          | BB              | 12-50 | Legibility of Numerals: The Optimal Ratio of Height to Width of Stroke (AD 640093)   | U            |
| 166-1-107          | BB              | 7-50  | Scale Markers as a Function of the Number Assigned to the Scale Interval; Accuracy of Visual Interpolation Between (AD 640094) | U            |
| 166-1-108          | BB              | 7-50  | Geometric Forms; Visual Discrimination of (AD 640095)  | U            |
| 166-1-109          | BB              | 7-50  | Apparent Brightness; Some Effects of Shape on (AD 640096)  | U            |
| 166-1-110          | BB              | 7-50  | Suprathreshold Area Brightness Relationships (AD 54321)  | U            |
| 166-1-111          | BB              | 11-50 | Geometric Figures Under Complex Conditions; Discriminability Between (AD 640098)   | U            |

| NAVTRA-<br>DEV CEN         | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|----------------------------|-----------------|-------|---|--------------|
| 166-1-112                  | BB              | 3-51  | Pitch and Intensity (AD 662691)   | U            |
| 166-1-115                  | BB              | 9-50  | Scale Numbering on Scale-Reading Accuracy and Speed; Effect of (AD 54322)   | U            |
| 166-1-116                  | BB              | 51    | Cathode-Ray Tube Screens; Purkinje After Image on (AD 492701)   | U            |
| 166-1-117                  | BB              | 9-50  | Manual Rotary Positioning Movements: II; The Accuracy of Estimating the Position of an Indicator Knob; Studies of (AD 640099)                         | U            |
| 166-1-118                  | BB              | 11-50 | Joystick-Marker Control Mechanism, Unaided; Bearing and Range Accuracy Obtained by Tracking Simulated Targets with (AD 644933)                        | U            |
| 166-1-119                  | BB              | 12-50 | Visibility of Signals on PPI Screens; Effect of the Reflection Plotter on (AD 640080)   | U            |
| 166-1-120                  | BB              | 12-50 | Chronoscope; Wide Range Electronic (AD 657620)  | U            |
| 166-1-121                  | BB              | 12-50 | Code Learning; The Effect of Task-Induced Stress on (AD 660022)   | U            |
| 166-1-122                  | BB              | 1-51  | Counting Repeated Short Tones; Accuracy of (AD 640925)  | U            |
| 166-1-123                  | BB              | 11-50 | Sparrow Guided Missile System in Fighter Aircraft; Human Engineering Aspects of the Utilization of (ATI 208279)                                       | U            |
| 166-1-124                  | BB              | 52    | Pupil Size as Determined by Adapting Luminance (AD 659691)  | U            |
| 166-1-125                  | BB              | 2-51  | Visual Space as A Function of the Temporal Interval Between the Stimuli; Two-Point Discrimination in (AD 43978)                                       | U            |
| 166-1-126                  | BB              | 10-51 | Coded Switching Keyboards; Some Perceptual Problems in the Design of (AD 639854)  | U            |
| 166-1-127                  | BB              | 2-51  | Binocular Rivalry; Influence of Figure-Ground Relationships in (AD 640131)  | U            |
| 166-1-128                  | BB              | 8-51  | Scale Reading Accuracy; Effect of Presenting Various Numbers of Discrete Steps on (ATI 165423)  | U            |
| 166-1-129                  | BB              | 12-50 | Systems Coordination and Plans for Dealing with them; Problems of (AD 50739)  | U            |
| 166-1-130                  | BB              | 12-50 | Human Engineering and Systems Research; Validity of Prediction from Laboratory Experiments to Naval Operational Situations in the Area of (AD 143295) | U            |
| 166-1-131                  | BB              | 6-51  | Interaural Phase Differences on the Perception of Pure Tones; Some Effects of (AD 657528)   | U            |
| 166-1-132                  | BB              | 6-51  | Hearing (AD 646812)   | U            |
| 166-1-133                  | BB              | 7-51  | Color Temperatures of Incandescent Lamps; Physical Comparator for (AD 657618)   | U            |
| 166-1-134                  | BB              | 7-51  | Absolutely-Identifiable Spectral Hues; Number of (ATI 158176)   | U            |
| 166-1-135                  | BB              | 10-51 | Context Effects; Role of Repetition Rate and Interstimulus Interval in (ATI 169233)   | U            |
| 166-1-136                  | BB              | 7-51  | Experimental Target Designation Equipment; Final Remarks on the Appraisal of (AD 55889)   | U            |
| 166-1-137                  | BB              | 7-51  | Judgements, Absolute Amount of Information in (AD 819798)   | U            |
| 166-1-138                  | BB              |       | TV Converter-Display Group, BuShips AN/UXA-3 (XNI), Report on Appraisal Studies of  | U            |
| 166-1-139                  | BB              | 10-51 | Judgements, Half-Loudness; Some Statistical Aspects of (ATI 165422)   | U            |
| 166-1-141                  | BB              | 9-51  | Isosceles Triangles; Aesthetic Preference for (ATI 158174)  | U            |
| 166-1-143                  | BB              | 12-51 | Judgements, Loudness; Equal Discriminability Scale for (ATI 169244)   | U            |
| 166-1-144                  | BB              | 10-51 | Plane Geometric Figures; Horizontal-Vertical Illusion in (AD 657369)  | U            |
| 166-1-145                  | BB              | 52    | Human Eye for Electric Stimulation by Different Wave Forms; Thresholds of (AD 659690)   | U            |
| 161-1-146                  | BB              | 12-51 | Tactical Discrimination of Letters, Numerals and Geometric Forms; Accuracy of (AD 657476)   | U            |
| 198-1                      | AG              | 10-59 | Team Training; Human Factor Analysis of (AD 315350)   | U            |
| 198-1, Rev 1               | AG              | 11-60 | Team Training; Human Factor Analysis of   | U            |
| 198-2                      | AG              | 8-60  | Team Training II: Individual Learning and Team Performance (AD 247147)  | U            |
| 198-3                      | AG              | 8-61  | Team Training III: An Approach to Optimum Methods and Procedures (AD 267666)  | U            |
| 199-1-2a 2nd Edition, Rev. | AR              | 11-52 | Human Engineering; Handbook of (AD 43650)   | U            |
| 199-1-3 Supp               | AR              | 4-55  | Human Engineering Data; Handbook of (Originally C-4) (AD 80917)   | U            |
| 241-6-1                    | BD              | 10-49 | Accuracy of Movement I: The Bisection and Duplication of Linear Extents in the Horizontal Sagittal Plane; Studies in (AD 640040)                      | U            |

## NAVTRADEV P-3695

| NAVTRA-<br>DEV CEN | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|--------------------|-----------------|-------|---|--------------|
| 241-6-2            | BD              |       | Accuracy in Movement II: The Bisection and Duplication of Linear Extents at Various Angles in the Horizontal Plane and at Inclinations above the Horizontal; Studies in         | U            |
| 241-6-3            | BD              | 8-50  | Complex Coordination I: Performance on the Two-Hand Coordinator as a Function of the Planes of Operation of the Controls; Studies in (AD 657192)                                | U            |
| 241-6-4            | BD              | 10-50 | Accuracy of Movement III: The Bisection and Duplication of Angular Extents as a Function of Size of Angle and of Type of Endpoint Cue; Studies in (AD 640041)                   | U            |
| 241-6-5            | BD              | 11-50 | Complex Coordination II: Performance of the Two-Hand Coordinator as a Function of the Relations Between Direction or Rotation of Controls and Direction; Studies in (AD 640042) | U            |
| 241-6-6            | BD              | 7-52  | Tracking Performance; The Effect of Control Crank Size on (AD 128356)   | U            |
| 241-6-7            | BD              | 8-52  | Following and Compensatory Tracking Tasks; Facilitation Effects between (AD 126262)   | U            |
| 241-6-8            | BD              | 1-53  | Knob Settings as a Function of: I. The Plane in which the Knob Turns; and II. The Diameter of the Knob; Accuracy of (AD 119858)   | U            |
| 241-6-9            | BD              | 1-53  | Knob Settings: The Effects of Inertia on the Accuracy of (AD 109235)  | U            |
| 241-6-10           | BD              | 9-53  | Following Tracking Resulting from Reversal of the Display-Control Relationship on Alternate Blocks of Trials: Transfer Effects in (AD 51494)                                    | U            |
| 241-6-11           | BD              | 10-53 | Building "Feel" into Controls: The Effects on Motor Performance of Different Kinds and Amounts of Feedback (AD 92507)   | U            |
| 241-6-12           | BD              | 10-53 | Two-Hand Tracking Performance: The Effects of Continuity in Display and Control Movement Relationships on (AD 119859)   | U            |
| 241-6-13           | BD              | 12-53 | Tracking Skill as a Function of Task Difficulty (Target Size); The Transfer of (AD 109345)  | U            |
| 241-6-14           | BD              | 8-55  | Friction on the Accuracy of Knob Settings: The Effects of (AD 109236)   | U            |
| 241-6-15           | BD              | 8-55  | Setting Control Knobs as a Function of Directions of Final Movement and Number of Settings: Accuracy of (AD 109237)   | U            |
| 241-6-16           | BD              | 8-55  | Intermittent Course Illumination of Differing Frequencies on Tracking Performance: The Effect of (AD 109238)  | U            |
| 241-6-17           | BD              | 8-55  | Various Planes of Movement Using a Knob Control; Accuracy of Bisection of Large Angular Extents in (AD 109239)  | U            |
| 241-6-18           | BD              | 8-55  | Compensatory Tracking Task: The Effect on Performance of Varying the Directions and Planes of Movement of the Control Cranks on (AD 109240)                                     | U            |
| 241-6-19           | BD              | 8-55  | Knob Control Adjustments: Time-Ordered Effects in Long Series of (AD 103351)  | U            |
| 241-6-21           | BD              | 8-55  | Knob Setting Performance; The Effect of Varying Degrees of Knowledge of Results on (AD 109352)  | U            |
| 241-6-21           | BD              | 8-55  | Compensatory Tracking Resulting from Reversal of the Display-Control Relationship: Transfer Effects in (AD 109353)  | U            |
| 241-6-22           | BD              | 8-55  | Planes of Rotation of Control Cranks on Performance Levels and Transfer Effects in Compensatory and Following Tracking: The Effects of (AD 109354)                              | U            |
| 241-6-23           | BD              | 8-55  | Compensatory Training Task of Interchanging the Controls of the Axes of Movement between the Hands; The Effects on Performance of (AD 110963)                                   | U            |
| 241-6-24           | BD              | 8-55  | Following Tracking Task of Interchanging the Direction of Display Movement Controlled by Each Hand; The Effect upon Performance on (AD 109355)                                  | U            |
| 241-6-25           | BD              | 8-55  | Building "Feel" into Controls II. Pressure Feedback Short Movements, and the Influence of Mixed vs Constant Series of Displacements (AD 109356)                                 | U            |
| 269-7              | AI              | 8-50  | Sound Motion Pictures; Practical Principles Governing the Production and Utilization of (AD 657459)   | U            |
| 269-7-1            | AI              | 5-49  | Instructional Film Production, Utilization and Research in Great Britain, Canada, and Australia (AD 640427)   | U            |

| NAVTRA-<br>DEV-CEN | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|--------------------|-----------------|-------|---|--------------|
| 269-7-2            | AI              | 5-49  | Music in Motion Pictures: Review of Literature with Implications for Instructional Films (AT 70740)   | U            |
| 269-7-3            | AI              | 6-49  | Massed vs Spaced Film Presentations; The Relative Effectiveness of (AD 640446)  | U            |
| 269-7-4            | AI              | 12-49 | Commentary Variations: Level of Verbalization, Personal Reference, and Phase Relations in Instructional Films on Perceptual-Motor Tasks (AT 155904)                 | U            |
| 269-7-5            | AI              | 12-49 | Film-Mediated Perceptual Motor-Learning; Effects of Learner Representation in (AT 155962)   | U            |
| 269-7-6            | AI              | 6-49  | Instructional Film Research; Learning Theories and (AD 640450)  | U            |
| 269-7-7            | AI              | 11-49 | Instructional Motion Pictures; Relationship of Length and Fact Frequency to Effectiveness of (AD 640880)  | U            |
| 269-7-8            | AI              | 11-49 | Film Introductions and Film Summaries to Learning from Instructional Films; Contributions of (AD 640885)  | U            |
| 269-7-9            | AI              | 3-50  | Film-Mediated Learning; The Effect of Attention Gaining Devices on (AT 156419)  | U            |
| 269-7-10           | AI              | 3-50  | Sound Films; The Effects of Prestige and Identification Factors on Attitude Restructuring and Learning from (AD 640881)   | U            |
| 269-7-11           | AI              | 3-50  | Experimental Film Variables Study II: Verbalization, How it Works, Nomenclature, Audience Participation, and Succinct Treatment; Effects on Training of (AD 156417) | U            |
| 269-7-12           | AI              | 11-49 | Learning; Effect of Repetitive Film Showings on (AT 155903)   | U            |
| 269-7-13           | AI              | 7-50  | Instruction by: Films Exclusively, Films Plus Study Guides, and Standard Lecture Methods; Relative Effectiveness of (AD 640882)                                     | U            |
| 269-7-14           | AI              | 10-50 | Communicator: The Classroom (AD 640883)   | U            |
| 269-7-15           | AI              | 10-50 | Film Analyzer (AT 155213)   | U            |
| 269-7-16           | AI              | 9-50  | Film Learning: The Effects of Inserted Questions and Statements on (AT 156418)  | U            |
| 269-7-17           | AI              | 10-50 | Experimental Film Variables, Study I: Verbalization, Rate of Development, Nomenclature, Errors, How-it-Works, Repetition; Effects on Training of (AT 156416)        | U            |
| 269-7-18           | AI              | 11-50 | Instructional Films; Comparison of the Audio and Video Elements of (AT 156415)  | U            |
| 269-7-19           | AI              | 12-50 | Instructional Film Research 1918-1950 (Chapter 9 covers the Content of Special Report No. 1) (AD 647255)  | U            |
| 269-7-20           | AI              | 11-51 | Film-Viewing Practice on Learning from Instructional Films; Effect of (AD 640886)   | U            |
| 269-7-21           | AI              | 11-51 | Film Learning; The Value of Note-Taking During (AD 640876)  | U            |
| 269-7-22           | AI              | 7-51  | Mental Hygiene Films on Self-Regarding Attitudes; The Effects of (AD 640884)  | U            |
| 269-7-23           | AI              | 11-51 | Film Profiles (AD 640875)   | U            |
| 269-7-24           | AI              | 4-51  | Learning from Films; Relationship of Anxiety to (AD 640879)   | U            |
| 269-7-25           | AI              | 5-52  | Daylight Projection of Film Loops in Teaching Skills; Evaluation of a Procedure for using (AD 640877)   | U            |
| 269-7-26           | AI              | 5-52  | Perceptual-Motor Skill Training; Daylight Projection of Film Loops as the Teaching Medium in (AD 640874)  | U            |
| 269-7-27           | AI              | 6-52  | Physical Skills; Comparison of Mental Practice and Physical Practice in the Learning of (AD 640878)   | U            |
| 269-7-28           | AI              | 6-52  | Color and Black and White in Instructional Films; Relative Effectiveness of (AD 640873)   | U            |
| 269-7-29           | AI              | 9-52  | Film "How to Operate the Army 16 mm Sound Projector Set"; Instructional Effect of (AD 10692)  | U            |
| 269-7-30           | AI              | 9-52  | Learning of Meaningful Material; The Effects of Knowledge of Test Results on (AD 10044)   | U            |
| 269-7-31           | AI              | 9-52  | Sound Motion Pictures for Military Training; Logistics of (AD 7029)   | U            |
| 269-7-32           | AI              | 9-52  | Perceptual-Motor Task; Effects of a Stereoscopic Sound Motion Picture on the Learning of (AD 10045)   | U            |
| 269-7-33           | AI              | 10-52 | Organizational Outlines in Instructional Films; Effects on Learning of the Prominence of (AD 10046)   | U            |
| 269-7-34           | AI              | 11-52 | Learning from Instructional Films; The Relationship of Optical Effects and Film Literacy to (AT 10043)  | U            |
| 269-7-35           | AI              | 11-52 | Educational Sound Motion Picture; The Effect of a Pre-Film Test on Learning from (AD 10042)   | U            |



## NAVTRADEV P-3695

| NAVTRA-<br>DEV CEN | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|--------------------|-----------------|-------|--|--------------|
| 269-7-36           | AI              | 1-53  | Instructional Film Research Reports (AD45501)  | U            |
| 269-7-37           | AI              | 10-53 | Rear Projection Daylight Screen; Optimum Physical Viewing Conditions for (AD 47609)  | U            |
| 269-7-38           | AI              | 10-53 | Kinescopes, Two: Evaluation of (AD 47610)  | U            |
| 269-7-39           | AI              | 10-53 | Rear-Projected Film; The Effects and Interactions of Rate of Development, Repetition, Participation and Room Illumination on Learning from (AD 47611)                              | U            |
| 269-7-40           | AI              | 11-53 | Instructional Films; A Bibliography of Production, Utilization and Research on (AD 47612)  | U            |
| 269-7-41           | AI              | 3-54  | Sound Motion Pictures for Recording Billet Analysis Information; The Application of (AD 63935)   | U            |
| 269-7-42           | AI              | 5-55  | Kinescope Recordings and Training Films: Relative Effectiveness of Verbal Introduction to (AD 73886)   | U            |
| 269-7-43           | AI              | 6-55  | Elementary Meteorology; The Relative Effectiveness of Differing Commentaries in an Animated Film on (AD 90592)   | U            |
| 269-7-44           | AI              | 5-55  | Research Findings to Training Film Production; An Application of (AD 90591)  | U            |
| 269-7-45           | AI              | 5-55  | Repetition of Films; Effectiveness of Several Methods of (AD 90593)  | U            |
| 269-7-46           | AI              | 5-55  | Mental Hygiene Films on Normal and Abnormal Individuals; Effect of (AD 90594)  | U            |
| 269-7-47           | AI              | 9-55  | Motion Pictures to Simulate Reality (The Thematic Apperception Test); Evaluation of (AD 81026)   | U            |
| 269-7-48           | AI              | 7-55  | Local Production of Minimum Cost Sound Motion Pictures; A Study of Feasibility of (AD 78539)   | U            |
| 269-7-49           | AI              | 8-55  | Pictorial Tests and their Interaction with Audio-Visual: The Validity of (AD 96928)  | U            |
| 269-7-50           | AI              | 10-53 | Personal Hygiene; Training Film Evaluation: Comparison between Two Films on (AD 73887)   | U            |
| 269-7-51           | AI              | 8-54  | Training Film Evaluation: FB 254 - Cold Weather Uniforms (AD 73888)  | U            |
| 269-7-52           | AI              | 10-54 | Emergencies (Riot Control); Evaluation of the Film: Military Police Support in (AD 73889)  | U            |
| 269-7-53           | AI              | 8-55  | Pictures and Sound for Teaching Foreign Language Vocabulary: Exploratory Studies in the use of (AD 78537)  | U            |
| 269-7-54           | AI              | 8-55  | Learning of the Perceived Usefulness of the Material to be Learned; The Effects on (AD 109247)   | U            |
| 269-7-55           | AI              | 8-55  | Learning when used to Shorten Recorded Film Commentaries: Profile Analysis and its Effect on (AD 81665)  | U            |
| 269-7-56           | AI              | 9-55  | Infra-Red Photography; Recording of Audience by (AD 78538)   | U            |
| 269-7-57           | AI              | 9-55  | Instructional Films by a Trained Panel using a Film Analysis Form: The Evaluation of (AD 654584)   | U            |
| 269-7-58           | AI              | 9-55  | Home Measures of Ability to Measures of Learning from Sound Motion Pictures; The Relation of (AD 81666)  | U            |
| 269-7-59           | AI              | 9-55  | Ranking in Film Research and the Statistical Analysis of Ranks: Application of (AD 81664)  | U            |
| 269-7-60           | AI              | 6-56  | Modifying Attitudes: A Study of the Applications of Films for Influencing the Acceptability of Foods; The Relative Effectiveness of Several Films Variables in (AD 105928)         | U            |
| 269-7-61, Vol II   | AI              | 6-56  | Instructional Film Research Reports (AD 114651)  | U            |
| 269-7-100          | AI              | 3-54  | Antiaircraft Weapon, 40-mm and the MK 13 Type Torpedo: The Comparative Effectiveness of a Mockup, Cutaway and Projected Charts in Teaching Nomenclature and Function of (AD 63936) | U            |
| 269-7-101          | AI              | 6-54  | Training Media: Trainee Manipulation and Observation of Functioning Electrical Systems vs Trainee Drawing of Schematic Electrical Systems; Comparison of (AD 63934)                | U            |
| 269-7-102          | AI              | 7-55  | Principles Training and Specific Training using Several Types of Training Devices; A Comparison of (AD 91944)  | U            |
| 269-7-103          | AI              | 9-55  | Training Media: Transfer of Principles Involved in a Manipulative Skill; Comparison of (AD 81663)  | U            |
| 269-7-104          | AU              | 6-56  | Training Aids, Selection Form; A Methodological Study in the Development of  | U            |
| 279-I-109          | AU              | 10-48 | Questionnaire Study of 69 Limb Makers and Limb Fitters; Report of (AD 641316)  | U            |
| 279-I-10, Vol I    | AU              | 49    | Prosthetic Devices; Investigations with Respect to the Design, Construction, and Evaluation of (AD 641319)   | U            |
| 279-I-10, Vol II   | AU              | 49    | Prosthetic Devices; Investigations with Respect to the Design, Construction, and Evaluation of (AD 641319)   | U            |



| NAVTRA-<br>DEV-CEN | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|--------------------|-----------------|-------|---|--------------|
| 279-1-11           | AU              |       | Personality Characteristics of Forty-Eight Above-the-Knee Amputees (AD 641317)  | U            |
| 279-1-12           | AU              |       | Prosthetic Devices for Above-the-Knee Amputees; Problems in the Fitting and Servicing of (AD 641319)  | U            |
| 279-3-1            | AU              | 7-50  | AN/APS-45 (XN); Recommended Modifications of the Specifications for   | U            |
| 279-3-1            | AU              |       | IP-48/APA-56 Range-Azimuth Indicator; Modification of the Controls of   | U            |
| 279-3-1, Supp A    | AU              |       | IP-48/APA-56 Range-Azimuth Indicator; Supplement to Modification of the Controls of   | U            |
| 279-3-1, Supp B    | AU              |       | IP-48/APA-56 Range-Azimuth Indicator; Supplement to Modification of the Controls of   | U            |
| 279-3-2            | AU              |       | Bearing Under Conditions of Scope Decentration; Unaided Visual Estimation of  | U            |
| 279-3-2            | AU              |       | AN/APA-56 Installation for Project Cadillac; Tabulation of Failure Reports of   | U            |
| 279-3-3            | AU              |       | AN/APA-56 Console; Evaluation of Five Methods of Obtaining Range and Bearing on   | U            |
| 279-3-3            | AU              |       | Symposium on Project Cadillac   | U            |
| 279-3-4            | AU              | 8-50  | AEW Performance; Preliminary Studies of Detection Time and Other Factors Involved in (AD 641446)  | U            |
| 279-3-5            | AU              | 4-51  | CIC in the PO-2W Aircraft; Layout of (AD 641448)  | U            |
| 279-3-6            | AU              | 4-51  | Discrete Radar Target Events; Functional Relationship for Time Density to the Detection of (AD 641452)  | U            |
| 279-3-7            | AU              | 7-51  | CIC, Airborne; Experimental Methods of Evaluating a System; (Originally C-4) (AD 641455)  | U            |
| 279-3-8            | AU              | 1-52  | PO-2W; The ECM Station of (AD 377646)   | U            |
| 279-3-9            | AU              | 3-54  | IS-J-4-q Moving Radar Target Generator: Its Design and Evaluation; A Rate of Turn Device for use with (AD 656634)                                   | U            |
| 279-3-10           | AU              | 4-52  | APA-56 Production Console: Preliminary Layout of Controls and Displays of (Originally C-4, SI) (AD 659514)  | U            |
| 279-3-11           | AU              | 12-54 | CIC, Airborne; An Experimental Evaluation of Four Communication Procedures in (Originally C-4) (AD 65248)   | U            |
| 279-3-12           | AU              | 3-53  | CIC, Airborne; The Effect of Continuous Operation on the AEW function of Air Control Officers in (Originally C-4, SI) (AD 14170)                    | U            |
| 279-3-13           | AU              | 10-53 | CIC System, Airborne; The Effect of Number of Search Operators, Reporting Procedures and Load on the Performance of (Originally C-4, SI) (AD 43899) | U            |
| 279-3-14           | AU              | 12-54 | CIC's: A Preliminary Survey; The use of Status Boards in (Originally C-2, SI) (AD 14177)  | U            |
| 279-3-15           | AU              | 11-53 | ACO Performance as a Function of Number of Simultaneous Raids in Time Available for Interception (Originally C-4) (AD 43900)                        | U            |
| 279-3-16           | AU              | 8-54  | ACO Performance of Four Airborne CIC Height Finding Procedures; The Effect on (Originally C-4) (AD 50799)   | U            |
| 279-3-17           | AU              | 11-53 | ACO Performance as a Criterion; An Experimental Investigation of the Validity of an Empirical Measure of Threat of Enemy Raids using (AD 43981)     | U            |
| 279-3-18           | AU              | 8-55  | CIC, Airborne; An Experimental Evaluation of Integrated Airborne Early Warning Systems in (AD 79296)  | C-3          |
| 279-3-19           | AU              | 6-54  | Computers, Two Intercept Course; The Design and Evaluation of (AD 65249)  | U            |
| 279-3-20           | AU              | 9-54  | CIC, Airborne; The Effect of Number of Air Controllers on the Air Intercept Control Performance of (Originally C-4) (AD 65246)                      | U            |
| 279-3-21           | AU              | 8-55  | CIC, Airborne; An Experimental Evaluation of Three AEW Intercept Systems in (AD 81025)  | C-3          |
| 279-3-22           | AU              | 7-54  | ACO Intercept Performance; The Effect of Overlapping Raid Situations on (Originally C-4) (AD 65247)   | U            |
| 279-3-23           | AU              | 2-56  | CIC Compartment of the WV-2 Aircraft; Recommendations for Operating Procedures and Personnel Allocation in (AD 112900)                              | C-3          |
| 294-1              | AD              | 1-60  | Typewriting, Teaching; A Comparison of Two Methods of (AD 641321)   | U            |
| 294-2              | AD              | 1-60  | Morse Code, Teaching; A Comparison of Two Methods of (AD 641320)  | U            |
| 294-3              | AD              | 4-61  | Group Differences; Statistical Tests of (AD 259513)   | U            |
| 294-5              | AD              | 2-64  | Visual Perception: Analysis of Selected Papers (AD 602283)  | U            |
| 297-1              | AJ              | 6-60  | Flight Maneuver; Part vs Whole-Task Learning of (AD 242580)   | U            |
| 297-2              | AJ              | 3-61  | Flight Maneuver; The Contribution of Part Task Training to the Relearning of (AD 259505)  | U            |

## NAVTRADEV P-3695

| NAVTRA-<br>DEV CEN | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|--------------------|-----------------|-------|--|--------------|
| 297-3              | AJ              | 4-61  | Contact Landing Skills; Effects of Programmed Perceptual Training on the Learning of (AD 264377)   | U            |
| 306-1              | BI              | 3-59  | Sonar Operator Performance; Trainable Factors in (AD 313496)   | U            |
| 316-1              | BH              | 11-59 | Relative Motion II: The Nature of Relative Motion Situations (AD 238775)   | U            |
| 316-1-1            | RG              | 9-47  | Transfer of Training; Measurement of (AD 641582)   | U            |
| 316-1-2            | BG              | 12-47 | Motor Skill; Transfer of Training from Practice on Components in (AD 641581)   | U            |
| 316-1-3            | BG              | 4-48  | Motor Task with Varying Display-Control Relationships; a Study of Transfer in (AD 641580)  | U            |
| 316-1-4            | BG              | 6-48  | Motor Skill from Practice on a Pictured Representation; Transfer to (AD 641584)  | U            |
| 316-1-5            | BG              | 7-49  | Discriminative Motor Tasks; Relation between Similarity and Transfer of Training in the Learning of (AD 641585)  | U            |
| 316-1-6            | BG              | 7-68  | Motor Task; Transfer of Discrimination to (AD 641583)  | U            |
| 316-1-7            | BG              | 8-49  | Transfer of Training; Stimulus Pre-Differentiation as a Factor in (AD 657191)  | U            |
| 316-1-8            | BG              | 8-49  | Motor Task in Relation to Stimulus Similarity; Transfer of Training to (AD 641587)   | U            |
| 316-1-9            | BG              | 8-49  | Complex Motor Skill; The Effects of an Interfering Task on the Learning of (AD 657460)   | U            |
| 316-1-10           | BG              | 8-49  | Motor Skill as a Function of Variation in Rate of Response; Transfer of Training to (AD 641586)  | U            |
| 316-2              | BH              | 1-61  | Relative Motion III: Some Relative Motion Problems in Aviation (AD 256346)   | U            |
| 318-1              | BF              | 4-59  | Dynamic Test Program for WST (AI) 228942)  | U            |
| 318-2              | BF              | 3-61  | Dynamic Test Program for WST, Final Report, Phase III (AD 323180)  | C-3          |
| 318-4              | BF              | 6-61  | Dynamic Test Program for WST, Summary Report, Phase IV (AD 262667)   | U            |
| 318-5              | BF              | 9-60  | Dynamic Test Techniques to WST, Final Report Addendum, Application of (AD 484396)  | U            |
| 322-1-1            |                 | 7-57  | Sonar Operator Training: A Review of the Literature (AD 141959)  | U            |
| 322-1-2            | BE              | 1-59  | Display Control Configurations: Tracking Performance Related to (AD 228749)  | U            |
| 323-1              | BE              | 4-63  | Natural Pilot Model for Flight Proficiency Evaluation (AD 410805)  | U            |
| 323-2              | BE              | 4-63  | Natural Pilot Flight Proficiency Evaluation Model; Experimental Study (AD 414666)  | U            |
| 330-1              | BN              | 4-60  | Design for Maintainability (AD 241901)   | U            |
| 330-1-1, Supp I    | BN              | 4-60  | NAVTRADEV CEN 330-1, Design for Maintainability: An Experimental Investigation of Equipment Packaging for Ease of Maintenance to (AD 241571)   | U            |
| 330-1-2, Supp II   | BN              | 4-60  | NAVTRADEV CEN 330-1 Design for Maintainability: Survey Information: (A) Description of the Training Device Technician (B) Engineer's Estimates of Circuits and System Maintainability to (AD 242571) | U            |
| 330-1-3, Supp III  | BN              | 4-60  | NAVTRADEV CEN 330-1, Design for Maintainability: Anthropometry of One Handed Maintenance Actions to (AD 241406)  | U            |
| 330-1-4, Supp IV   | BN              | 4-60  | NAVTRADEV CEN 330-1 Design for Maintainability: Maintainability Handbook for Electronic Equipment Design to (AD 241284)  | U            |
| 336-1              | AV              | 9-58  | ASROC Trainer, Shorebased; Human Factors Recommendations for (AD 305428)   | U            |
| 342-0              |                 | 1-52  | Air Defense of the Fleet (Project Overhead): Airborne CIC in (Originally S, SI) (AD 385664)  | C-3 (SI)     |
| 342-3              |                 | 5-61  | Knowledge of Results in Learning: A Survey: The Role of (AD 262937)  | U            |
| 342-4              | BM              | 10-61 | Difficulty Level and Kind of Tracking Problem and the Type of Tracking and Type of Control: The Relationship between (AD 268337)   | U            |
| 342-6              |                 | 11-63 | Training Situation Analysis, Experimental, and Application of Training Analysis Procedures to Two Military Systems (AD 378180)   | C            |

| NAVTRA-<br>DEV CEN | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|--------------------|-----------------|-------|--|--------------|
| 348-1              | AH              | 3-60  | Core System of Navy Radar Operator Training Devices  | U            |
| 348-2              | AH              | 8-60  | Principles and Preliminary Recommendations for (AD 238776)   | U            |
| 364-1              | AI              | 6-60  | Relative Motion Problems; Simultaneous vs Successive Presentation of (AD 248419)   | U            |
| 370-2-1            | AP              | 7-49  | Technical Training Courses Recorded on Sound Motion Pictures and Slides Plus Tapes; The Effectiveness, Acceptability, and Feasibility of (AD 242697)                       | U            |
| 373-1              | BL              | 3-60  | Audio Aids to Blind Flying and a Scoring Device for the Link Trainer (AD 657464)   | U            |
| 381-1              | BH              | 9-59  | Auditory Training Aids; The Acceptability and Effectiveness of the Casual use of (AD 243219)   | C-3          |
| 383-1-1            | BL              | 12-47 | Shipboard Simulation Equipment (X19A Series); Human Engineering Assistance for (AD 314013)   | U            |
| 383-1-2            | BL              | 6-48  | Educational Research Project, Project 20-E-6; First Interim Report on (AD 641598)  | U            |
| 383-1-3            | BL              | 6-48  | Naval Air Basic Training Command, Project 20-E-6; Amplifying the Instructor Training Program in (AD 641597)  | U            |
| 383-1-4            | BL              | 6-48  | Billet Analysis and Evaluation, Project 20-E-6; Report on (AD 641596)  | U            |
| 383-1-5            | BL              | 7-48  | Naval Aviation Students: Analysis of the Problem and Recommendations, Project 20-E-6; Study Skills of (AD 641594)  | U            |
| 383-1-6            | BL              | 8-48  | Instructor Evaluation, Project 20-E-6; Construction of Three Measures for (AD 641590)  | U            |
| 383-1-7            | BL              | 8-48  | Pre-Flight, Project 20-E-6; Academic Grades of Students in the Naval School of (AD 641588)   | U            |
| 383-1-8            | BL              | 8-49  | Aviation Training Syllabus Material, Project 20-E-6; The Development of (AD 641595)  | U            |
| 383-1-9            | BL              | 4-49  | Evaluating Training with the 1948 Annual Survey as an Example, Project 20-E-6; The Training Survey - A Method of (AD 641599)   | U            |
| 383-1-10           | BL              | 4-49  | Instructor's Evaluation Report (Psychological Studies of Training Techniques), Project 20-E-6; Preliminary Validation of (AD 641591)                                       | U            |
| 383-1-11           | BL              | 5-49  | Pre-Flight Grades, Project 20-E-6; Supplementary Report on Project on (AD 641592)  | U            |
| 383-1-12           | BL              | 5-49  | Ground Training in Aviation, Project 20-E-6; Source Book on the Application of Research to (AD 651675)   | U            |
| 383-1-13           | BL              | 6-49  | Individual Differences among Naval Aviation Students (Psychological Studies of Training Techniques), Project 20-E-6; A Study of (AD 641593)                                | U            |
| 383-2-1            | BL              | 6-50  | Operational Research in the Naval Air Training Command - Final Report, Project 20-E-6; A Summary of (AD 641589)  | U            |
| 383-2-1, Supp I    | BL              | 2-50  | Evaluation Procedure for Training Aids and Devices (The Problem, The Evaluation Procedure, Use and Interpretation, Discussion and Comment); The Development of (AD 642312) | U            |
| 383-2-1, Supp II   | BL              | 4-50  | Evaluation Procedures for Prototype Devices: Phase I. Development of (AD 641600)   | U            |
| 383-2-2            | BL              | 1-53  | Evaluation Procedures, Phase II; Validation Field Study of (AD 641601)   | U            |
| 383-04-1           | BL              | 5-52  | Evaluation Procedure for Training Aids and Devices; Construction of the 1953 Form of (AD 221526)   | U            |
| 383-04-1, Supp     | BL              | 5-52  | Training Aid and Device Requirements; A Guide for Determining (AD 641912)  | U            |
| 383-5-1            | BL              | 11-50 | Marine Supply Schools, Camp LeJeune, N.C.; Specific Recommendations for New Training Aids and Devices Developed at (AD 642504)   | U            |
| 383-5-2            | BL              | 7-52  | Ejection Seat Training with Special Reference to SDC Device No. 6EQ-2; Project Designation NR SDC Human Engineering Effectiveness of (AD 642247)                           | U            |
| 383-5-2, Supp      | BL              | 7-52  | Contact Flight Training; Study of (AD 128357)  | U            |
| 383-5-3            | BL              | 7-52  | Contact Flight, Naval Air Basic Training; Studies in (AD 128359)   | U            |
| 383-5-3, Supp      | BL              | 7-52  | Gunnery, Basic Fixed; Study of (AD 641824)   | U            |
| 383-6-1            | BL              | 4-52  | Naval Air Basic Training: Fixed Gunnery Phase; Studies of (AD 660029)  | U            |
|                    |                 |       | Combat Recognition Requirements (AD 641850)  | U            |

## NAVTRADEV P-3695

| NAVTRA-<br>DEVGEN | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|-------------------|-----------------|-------|--|--------------|
| 383-6-2           | BL              | 7-52  | Navy Recognition Training (AD 641879)  | U            |
| 383-7-1           | BL              | 3-52  | Training Aids; How to get more out of (AD 221399)  | U            |
| 383-7-2           | BL              | 4-52  | Training Devices, Four Representative; A Study of the Utilization of (AD 237656)   | U            |
| 388               | BE              |       | Magnetic Recording Systems, 1 March 1947 to 30 June 1948; Final Report on Activities in Connection with  | U            |
| 404, Vol I        | BK              | 4-59  | Wide Angle, Non-Programmed, Visual Presentations; Basic Development Accomplished on (AD 227192)  | U            |
| 404, Vol II       | BK              | 4-59  | Wide Angle, Non-Programmed, Visual Presentations; Basic Development Accomplished on (AD 227193)  | U            |
| Append            |                 |       |  |              |
| 411-1-1           | BJ              | 5-48  | Rate of Speaking: I. Relationship between Original and Repeated Phrases (AD 657943)  | U            |
| 411-1-2           | BJ              | 6-48  | Loudness of Speaking: The Effect of Heard Stimuli on Spoken Responses (AD 647202)  | U            |
| 411-1-3           | BJ              | 6-48  | Rates of Speaking: Reports II-III (Responses to Heard Stimuli)   | U            |
| 411-1-4           | BJ              | 6-48  | Loudness of Speaking: The Effect of the Intensity of Side-Tone upon the Intensity of the Speaker (AD 642189)   | U            |
| 411-1-5           | BJ              | 49    | Timed Phrases (AD 642311)  | U            |
| 411-1-6           | BJ              | 6-49  | Exploratory Studies: The Relation between 'Uncertainty' and Vocal Intensity (AD 222136)  | U            |
| 411-1-7           | BJ              | 49    | Vocal Frequency and Intensity of Hearing Sustained Tones while Reading: Effect of (AD 642390)  | U            |
| 411-1-8           | BJ              | 8-49  | Speech; Some Effects of the Common Cold upon (AD 657945)   | U            |
| 411-1-9           | BJ              | 49    | Transmitting Messages upon the Relationship between Their Duration and the Duration of the Repetitions of Them; Rate of Speaking: IV. Effects of the Mode and Level of (AD 657946) | U            |
| 411-1-10          | BJ              | 49    | Transmitting Messages upon the Relationships between Their Intensity and the Intensity of Repetitions of Them; Effect of the Mode and Rate of (AD 642387)                          | U            |
| 411-1-11          | BJ              | 49    | Vowels in Reading: Natural Frequency, Duration and Intensity (AD 642506)   | U            |
| 411-1-12          | BJ              | 49    | Repeated Messages: Inflection of (AD 657422)   | U            |
| 411-1-13          | BJ              | 49    | Message Type and Vocal Rate and Intensity: Relation Between (AD 642508)  | U            |
| 411-1-14          | BJ              | 49    | Articulation in Repeated Phrases: Precision of (AD 642481)   | U            |
| 411-1-15          | BJ              | 3-50  | Vocal Intensity and Rate: Effect of Room Characteristics upon (AD 642509)  | U            |
| 411-1-17          | BJ              | 9-49  | Voice Communication: Intelligibility in (AD 642386)  | U            |
| 411-1-18          | BJ              | 12-49 | Helmet, Primary Flight, Device I2-BK-6 (Impact Audible Signal System for Flight Training); Evaluation of (AD 657474)   | U            |
| 458-1             | BW              | 9-59  | Training Effectiveness as a Function of Simulator Complexity (AD 230996)   | U            |
| 476-02-2          | BU              | 4-51  | Training by Television - The Comparative Effectiveness of Instruction by Television, Television Recordings and Conventional Classroom Procedures (AD 642396)                       | U            |
| 476-02-S2         | BU              | 4-51  | Television Instruction in Training Naval Air Reservists; Effectiveness of (AD 119109A)   | U            |
| 476-02-3          | BU              | 5-61  | Training by Television - A Study in Learning and Retention (AD 642526)   | U            |
| 476-02-S3         | BU              | 5-51  | Television Instruction Transmitted to Army Field Force Reservists; A Study of Learning and Retention from (AD 109218)  | U            |
| 476-2-1           | BU              | 10-48 | Television Evaluation Project  | U            |
| 494-01-1          | AR              | 6-52  | Requirements, Training for Individual Weapons: Army Marksmanship and Gunnery Training (AD 642391)  | U            |
| 494-01-2          | AR              | 6-53  | Rifle Marksmanship Training; Experiments in (AD 222892)  | U            |
| 494-01-3          | AR              | 6-53  | Rifle Marksmanship Training, Experimental Evidence for Improvements Needed in (AD 222931)  | U            |
| 494-08-1          | AR              | 10-54 | Graphic Training Aids, Effective; A Review of Literature Pertinent to the Design and use of (AD 96883)   | U            |
| 495-01-1          | AG              | 8-52  | Training for Antiaircraft Artillery Gunner (AD 642505)   | U            |
| 495-01-2          | AG              | 8-52  | Army Guided Missiles Training Requirements (Originally S, S1; C-4 effective 6/9/64)  | C-4          |
| 495-01-3          | AG              | 8-52  | Training Problem: Light Antiaircraft Tracer Observation and Fire Control with Specific Reference to (AD 642527)  | U            |

| NAVTRA-<br>DEV-CEN | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|--------------------|-----------------|-------|--|--------------|
| 495-01-4           | AG              | 9-53  | Training 90-mm AA Gun Crews (AD 207127)  | U            |
| 495-01-4.1         | AG              | 3-54  | Training 90-mm AA Gun Crews, History of the Project (AD 642586)  | U            |
| Append I           |                 |       |  |              |
| 494-01-1.2         | AG              | 3-54  | Training 90-mm AA Gun Crews; Statistical Analysis (AD 642588)  | U            |
| Append II          |                 |       |  |              |
| 495-01-4.3         | AG              | 3-54  | Training by 90-mm AA Gun Crews (AD 642589)   | U            |
| Append III         |                 |       |  |              |
| 495-01-4.4         | AG              | 3-54  | Training 90-mm AA Gun Crews, Training Aids and Devices (AD 657947)   | U            |
| Append IV          |                 |       |  |              |
| 495-01-4.5         | AG              | 7-56  | Procedures and Training Aids, Followup Study of Recommended (AD 642590)  | U            |
| Append V           |                 |       |  |              |
| 495-07-1           | AG              | 4-54  | Tank Tactical Training; Study of Training Requirements for (AD 642595)   | U            |
| 495-8-1            | AG              | 6-56  | Army Field Artillery Training Program; Study of the Present Status of Training Aids and Devices in (AD 642596)   | U            |
| 502-1              | BH              | 8-61  | Maintenance Support System; An Analysis of (AD 265884)   | U            |
| 506-1              | BU              | 10-62 | Perception of Distortion I. An Experimental Approach to Illusion (AD 292120)   | U            |
| 507-1              | AU              | 3-60  | Teaching Machines; The Use of Context Cues in (AD 238777)  | U            |
| 502-2              | AU              | 6-60  | Automated Teaching: A Review of Theory and Research (AD 241283)  | U            |
| 507-3              | AU              | 6-61  | Teaching Machines; Response Mode, Pacing, and Motivational Effects in (AD 262779)  | U            |
| 508-1              | AG              | 10-59 | Man Machine Systems: A Review of the Literature; Information Input and Processing Variables in (AD 230997)   | U            |
| 508-2              | AG              | 10-59 | Time Sharing at Central and Peripheral Levels; Relative Importance of (AD 230998)  | U            |
| 508-3              | AG              | 10-59 | Augmented Feedback and Tracking Skill (AD 230999)  | U            |
| 508-4              | AG              | 10-59 | Transfer of Training; Fidelity of Simulation: I. Time Sharing Requirements and Control Loading as Factors in (AD 231000)   | U            |
| 510-1              | BT              | 2-59  | Exercise Simulator and Systems Analysis; Command and Staff   | U            |
| 510-2              | BT              | 1-59  | Exercise Simulator and Systems Analysis; Command and Staff   | U            |
| 510-3              | BT              | 10-59 | Exercise Simulator and Systems Analysis; Command and Staff   | U            |
| 510a, b            | BT              | 7-59  | Task Report Systems Analysis Subtasks A and B. Command and Staff Exercise Simulator and Systems Analysis   | U            |
| 511-1              | BS              | 8-62  | Visual Perception of Depth; Effect of Learning on (AD 634542)  | U            |
| 512-1              | AX              | 6-60  | Presenting Information to Selected Sense Modalities; Relative Effectiveness of (AD 251450)   | U            |
| 520-1              | BR              | 7-62  | OFT in Aviation Safety (AD 287905)   | U            |
| 530-01-1           | BQ              | 12-52 | Television Utilization in Army Training; Survey of (AD 8062)   | U            |
| 531-1              |                 | 5-60  | Electrophotography to Television Projection; Application of (AD 673536)  | U            |
| 558-1              | AU              | 7-60  | Motor Skills: Phase I; Psychological Study of (AD 243372)  | U            |
| 558-2              | AU              | 11-61 | Motor Skills: Phase II; Psychological Study of (AD 281343)   | U            |
| 560-1              | BP              | 3-61  | Weightlessness Training Requirements and Solutions (AD 259512)   | U            |
| 562-1              | BO              | 11-63 | Solid State Image Intensifiers Phase II: Development of an Internal Trainer Optical System Image Intensifiers, Final Report on A Broad Continuing Program for the Application of Light and Image | U            |
| 565-1              | AU              | 11-60 | Stress; Selected Abstracts from the Literature on (AD 253068)  | U            |
| 565-2              | AU              | 3-62  | Induced Stress on Learning and Performance; Effects of (AD 283105)   | U            |
| 565-3              | AU              | 7-62  | Induced Stress in a Naval Training School; Effects of (AD 234679)  | U            |
| 588-1              | CJ              | 3-61  | Decision Making; Training Aspects of (AD 259187)   | U            |
| 588-2              | CJ              | 6-62  | Decision Making, Phase II; Training Aspects of (AD 283848)   | U            |
| 594-1              | AC              | 2-62  | Real Time Simulation; Analog-Digital Computers for (AD 275649)   | U            |
| 596                | CI              | 6-60  | UDOPT Transistorization Study; Final Report for  | U            |
| 598-1              | EV              | 4-60  | ASROC WST, Shorebased; Human Engineering Support for (AD 840274)   | U            |
| 602-11-1           | CH              | 1-59  | Profile Techniques for Training Aid Evaluation; Application of (AD 212519)   | U            |
| 641-2-2            | BH              | 8-49  | SS 563/564; Illumination in the Attack Center and Periscope Area of (AD 643828)  | U            |
| 641-2-6            | BH              | 4-50  | Aircraft; Visual Requirements for a Wheels-Up Warning Signal Device on (AD 642865)   | U            |

## NAVTRADEV P-3695

| NAVTRA-<br>DEVCE | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|------------------|-----------------|-------|---|--------------|
| 641-1-1          | BH              | 10-48 | Submarine Diving Control Station; Human Factors in the Design of (Originally C-4) (AD 642738)   | U            |
| 641-2-1          | BH              | 6-49  | Guppy Submarines; Performance of Controllermen in the Propulsion Cubicle of (Originally C-4) (AD 642739)  | U            |
| 641-2-3          | BH              | 9-49  | Guppy Submarines; Modification of the Design of Visual Displays in the Maneuvering Room of (Originally C-4) (AD 642800)                               | U            |
| 641-2-4          | BH              | 10-49 | Submarine Control; Human Factors in the Design of (Originally C-4)  | U            |
| 641-2-5          | BH              | 4-50  | SSK Conversion; Arrangement of Equipment on (Originally C-4) (AD 643153)  | U            |
| 641-2-7          | BH              | 4-50  | Controllermen; Training and Supervision of (AD 656632)  | U            |
| 641-2-8          | BH              | 6-50  | Submarine Communication System; Human Factors in the Design of (Originally C-4) (AD 643154)   | U            |
| 641-2-9          | BH              | 6-50  | Airships; Human Factors in the Design of (Originally C-4) (AD 643118)   | U            |
| 641-2-10         | BH              | 12-50 | Air Control Center of Picket Submarines; Human Engineering Appraisal of (Originally C-4) (AD 643155)  | U            |
| 641-2-11         | BH              | 2-51  | Forward Torpedo Room in the 563/564 Class Submarine; A Human Engineering Study (Originally C-4) (AD 643115)   | U            |
| 641-2-13         | BH              | 1-52  | Human Engineering; System Research with Special Reference to (AD 643829)  | U            |
| 641-2-14         | BH              | 2-52  | Migraine III Type Submarine; Layout, Communication and Seating in the Air Control Center of (Originally C-4) (AD 643117)                              | U            |
| 641-2-15         | BH              | 3-52  | AGSS 569 Control Room; Human Engineering Study (AD 643116)  | U            |
| 641-2-17         | BH              | 3-52  | Operator Performance; Effect of Controlled Interference upon (Originally S, SI) (AD 5391)   | C-3<br>(SI)  |
| 641-3-1          | BH              | 4-49  | Shipboard Systems Studies (Originally C-4) (AD 820545)  | U            |
| 641-3-2          | BH              | 4-49  | Shipboard Systems Studies (AD 646615)   | U            |
| 641-3-3          | BH              | 7-49  | Attack Center of 563/564; Arrangement of Equipment in (Originally C-4) (AD 820546)  | U            |
| 641-3-4          | BH              | 4-50  | DD 927 and CLK 1; Human Factors in the Arrangement of Equipment on (Originally C-4) (AD 820543)   | U            |
| 641-3-5          | BH              | 7-50  | CIC of the DER; Arrangement of Equipment in (Originally C-4) (AD 643156)  | U            |
| 641-3-6          | BH              | 2-51  | DDE 719. Commanding Officer's Tactical Plot; Human Engineering Appraisal of (Originally C-4) (AD 643172)  | U            |
| 641-3-7          | BH              | 3-51  | Grid-Polar Conversion Plotting Methods; Evaluation of (AD 384098)   | C-3          |
| 641-3-8          | BH              | 8-51  | CIC of the USS North Hampton; Evaluation of two Proposed Plotting Systems for (Originally C-4) (AD 643184)  | U            |
| 641-3-9          | BH              | 10-51 | UOL-Equipped Minesweepers; Study of the Plotting and Communications Facilities in the Chart Room of (Originally C-4) (AD 643205)                      | U            |
| 656-1            | CG              | 10-64 | Light and Image Intensification Techniques, Phase I; Computer Activated Electroluminescent Display Screen: Final Report on Application of (AD 612278) | U            |
| 661-1            | CF              | 2-61  | Teaching; Research in the Automation of (AD 259994)   | U            |
| 663-1            | BH              | 8-60  | Training Equipment Requirements; Basic Dimensions in Determining Methods for the Applications of Systems Research to the Development of (AD 320307)   | C-3          |
| 668-9-1          | BD              | 9-56  | Rochester Generalized Tracking Apparatus (AD 113742)  | U            |
| 668-9-2          | BD              | 9-56  | Initial Training; Performance on a Tracking Task Simulating Fixed Gunnery as a Function of Instructions and Difficulty Level of (AD 113744)           | U            |
| 669-1            | AH              | 10-61 | Airborne Tactical Data Training at the Navy CIC School (Glynco); A Study of the Integration of  | C-4          |
| 695-1, Vol I     | CE              | 10-64 | Wide Angle Television Projection, Phases I and II   | U            |
| 695-1, Vol II    | CE              | 10-64 | Wide Angle Television Projection, Phases I and II, (Appendices B and C - Schematics) (AD 623815)  | U            |
| 695-2, Vol I     | CE              | 2-68  | Wide Angle Television Projection, Phase III, Final Engineering Report (Basic and Appendices A, B, C) (AD 673444)                                      | U            |
| 695-2, Vol III   | CE              | 2-68  | Wide Angle Television Projection, Phase III, Final Engineering Report (Appendices D, E, F, G, H) (AD 673445)  | U            |
| 707-1            | AV              | 2-60  | SUBROC (MK 113 Fire Control System) Training Program; Human Factors Recommendations for (Originally S) (AD 317363)                                    | U            |



| NAVTRA-<br>DEV CEN | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|--------------------|-----------------|-------|---|--------------|
| 748-1              | BR              | 6-61  | Flight Handbooks; Improvement of (AD 266704)  | U            |
| 759-1              | CD              | 8-61  | Infrared Techniques to Military Training, Phase I: A General Examination of the Technology; Application of (AD 268042)  | U            |
| 759-2              | CD              | 8-61  | Infrared Techniques to Military Training, Phase II: A Consideration of Specific Military Training; Application of (AD 267685)                                   | U            |
| 772                | CC              | 6-61  | Aircraft Systems; Investigation of Digital Simulation of (AD 274175)  | U            |
| 783-1              | BR              | 3-63  | Visual Display Requirements; The Pilot's Visual Task: A Study of (AD 407440)  | U            |
| 784-1              | AH              | 7-61  | Learning Theory Principles, Volume I: Guidelines for Training Device Design, Development and Use; Deriving Training Device Implications from (AD 264364)        | U            |
| 784-2              | AH              | 7-61  | Learning Theory Principles, Volume II: Methodology; Deriving Training Device Implications from (AD 264381)  | U            |
| 784-3              | AH              | 7-61  | Learning Theory Principles, Volume III: Specific Learning Principles; Deriving Training Device Implications from (AD 264568)                                    | U            |
| 786-2              | CB              | 9-63  | Man-Machine System; Internal Environmental Simulator for Sounds: An Application of a Computer as a Teaching Machine; Learning to Identify Nonverbal (AD 277188) | U            |
| 789-1              | CA              | 4-62  | Computer-Aided Learning of Sound Identification; Further Experiments on (AD 602079)   | U            |
| 789-2              | CA              | 4-64  | Visual Identification Skills; Response and Feedback Techniques for Automated Training of (AD 447882)  | U            |
| 789-11-1           |                 | 6-59  | Sensory Interaction and Response Capacity (AD 225517)   | U            |
| 790                | BZ              | 11-60 | Radar Land Mass Simulation; Investigation of Computer Techniques for (AD 259993)  | U            |
| 797-01-1           | BY              | 8-53  | Night Vision and Oxygen Training Programs; Recommended Training Aids for (AD 128827)  | U            |
| 797-1              | AV              | 3-61  | Decision Making; Psychological Study of (AD 259992)   | U            |
| 801A               | BF              | 6-62  | Maneuvering Re-Entry Vehicle; Six-Degree-of-Freedom Equations of Motion for (AD 283911)   | U            |
| 822-1              | BX              | 10-60 | Engine Simulation Methods for OFT, Phase I: A Study of  | U            |
| 822-2              | BX              | 3-61  | Engine Simulation Methods for OFT, Phase II: A Study of   | U            |
| 822-3              | BX              | 6-61  | Engine Simulation Methods for OFT, Phase III: A Study of  | U            |
| 822-4              | BX              | 7-61  | Engine Simulation Methods for OFT (Final Report); A Study of  | U            |
| 836-1              | AG              | 12-61 | Perceptual-Motor Skills; Scheduling of Training Conditions for the Acquisition and Transfer of (AD 419362)  | U            |
| 836-2              | AG              | 11-62 | Partial-Panel Control Skills; Training for (AD 297378)  | U            |
| 836-3              | AG              | 9-62  | Augmented Feedback and the Acquisition and Transfer of Skill; Research on (AD 293884)   | U            |
| 838-2              | AB              | 12-62 | UDOFIT Mathematical Procedures; Investigation and Evaluation of (AD 401748)   | U            |
| 880-1              | BR              | 3-61  | Aviator Escape System Trainer (AD 256342)   | U            |
| 895-00-1           | CS              | 3-53  | Naval Air Reserve Training, Phase I: Survey of Problems; Human Engineering Study of (AD 22812)  | U            |
| 927-00             | BH              | 2-53  | Army Field Forces; The Development of Specifications of a Standard Display Board for (AD 658739)  | U            |
| 938-1-1            | AA              | 4-50  | Modified Mashburn Apparatus: I. The Effects of Varying the Amount of Original Learning; Facilitation and Interference in Performance on (AD 643406)             | U            |
| 938-1-2            | AA              | 4-50  | Modified Mashburn Apparatus: II. The Effects of Varying the Amount of Interpolated Learning; Facilitation and Interference in Performance on (AD 643407)        | U            |
| 938-1-3            | AA              | 6-50  | Rotary Pursuit Tasks; Further Attempt to Demonstrate Interference in the Performance of (AD 643656)   | U            |
| 938-1-4            | AA              | 7-50  | Shaping Performance Curves; Prior Learning as a Factor in (AD 643409)   | U            |
| 938-1-5            | AA              | 7-50  | Pursuit Rotor Performance; Study of Warmup Decrement in (AD 643410)   | U            |
| 938-1-6            | AA              | 7-50  | Alternating Practice on the Performance of Two Antagonistic Motor Tasks; Effects of (AD 643411)   | U            |
| 938-1-7            | AA              | 8-50  | Acquisition of Skill in Performing Several Similar Tasks; Single Trial Per Task vs Multiple Trials per Task in (AD 643412)                                      | U            |



## NAVTRADEV P-3695

| NAVTRA-<br>DEV CEN | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|--------------------|-----------------|-------|---|--------------|
| 938-1-8            | AA              | 8-50  | Learning and Overlearning on Proactive and Retroactive Facilitation and Interference; Effects of Level of (AD 643413)             | U            |
| 938-1-9            | AA              | 8-50  | Standard Mashburn Task Arising from Different Levels of Learning on the Reversed Task; Losses of Skill in Performing (AD 643405)  | U            |
| 938-1-10           | AA              | 8-50  | Interference; Investigation of Individual Susceptibility to (AD 643414)   | U            |
| 950-1              | AG              | 2-62  | Part and Whole Training Methods: A Review of the Literature; Parameters Affecting the Relative Efficiency of (AD 275921)          | U            |
| 950-2              | AG              | 2-62  | Whole vs Part Training as a Function of Task Dimensions (AD 277617)   | U            |
| 954-00-18          | BH              | 10-53 | Submarine Control by a Single Operator (AD 643655)  | U            |
| 954 (00)-20        | BH              | 5-53  | ASW Heavier-than-Air Aircraft, Current; Crew Training, Equipment and Operating Conditions in (AD 378181)                          | C-3          |
| 954-00-21          | BH              | 12-53 | Anti-Submarine Systems; Project Thunderhead, An Economic Study of some Competitive (AD 49245)                                     | U            |
| 954-00-22          | BH              | 12-53 | Anti-Submarine Airplane: Phase I, System Analysis; Human Factors in the Design and Operation of (AD 42775)                        | U            |
| 954-00-23          | BH              | 4-54  | Anti-Submarine Airplane: Phase II, Personnel Performance Requirements; Human Factors in the Design and Operation of (AD 49796)    | U            |
| 954-00-24          | BH              | 2-54  | Anti-Submarine Airplane: Phase III, Human Engineering Recommendations; Human Factors in the Design and Operation of (AD 42774)    | U            |
| 954-00-25          | BH              | 7-54  | Project Therblig; Summary Report (Originally S; C-4 effective 8/27/65)  | C-4          |
| 954-17             | BH              | 2-53  | Fire Control System; MK 101 on the SSK-1; Human Engineering Evaluations of (Originally C-4) (AD 820544)                           | U            |
| 954-19             | BH              | 11-52 | Airborne Radar Display to Present Obstacle Avoidance and Flight Information (AD 379146)   | C-3<br>(SI)  |
| 955-1              | BH              | 12-62 | General Vehicular Research Tool: Tracking Training V: Field Study of the Training Effectiveness of (AD 401583)                    | U            |
| 971-0-1            | BH              | 8-53  | Helicopter Flight and Tactics Training: Study of (AD 120153)  | U            |
| 999-1-1            | AZ              | 9-50  | OFT; Psychological Studies of Advanced Naval Air Training: Evaluation of (AD 643499)  | U            |
| 999-1-2            | AZ              | 9-50  | Flight Performance Ratings; Psychological Studies of Advanced Naval Air Training: Analysis of (AD 654581)                         | U            |
| 999-2-1            | AZ              | 3-54  | SNJ OFT; Evaluation of (AD 86988)   | U            |
| 999-2-2            | AZ              | 3-54  | OFT; Survey of Utilization of Fleet Type (AD 133265)  | U            |
| 999-2-3A           | AZ              | 1-54  | Rough Air Simulation; Fidelity of Simulation in Operation of Flight Trainers Part I, Effectiveness of (AD 140998)                 | U            |
| 999-2-3B           | AZ              | 1-54  | SNJ OFT; Fidelity of Simulation in OFT Part II, the Effect of Variations in Control Loadings on the Training Value of (AD 204917) | U            |
| 999-2-4            | AZ              | 2-56  | OFT Performance; Objective Scoring Procedure for (AD 110925)  | U            |
| 1000-1             | CQ              | 9-62  | Teaching Machines; A Study in the Applications of (AD 291788)   | U            |
| 1025-1             | CP              | 2-62  | Radar Land Mass Simulation; Investigation of Digital Techniques for (AD 276696)   | U            |
| 1025-2             | CP              | 8-63  | Radar Land Mass Simulation; Investigation of Digital Techniques for (AD 424625)   | U            |
| 1025-3             | CP              | 3-64  | Radar Land Mass Simulation; Final Report: Investigation of Digital Techniques for (AD 600240)                                     | U            |
| 1025-4             | DS              | 2-64  | Digital Maps; Final Report: Investigation of the Compilation of   | U            |
| 1042-00-1          | BL              | 8-53  | OFT; Human Engineering Considerations in the Design of the Instructor's Station of Trilateralized (AD 116027)                     | U            |
| 1043-00-1          | BH              | 9-53  | Airplane Response System; Human Factors in the Design of a Uniform Control Feel (AD 42391)  | U            |
| 1043-00-2          | BH              | 12-53 | MK 18 Model 6 Gunsight Trainer; A Study of the Utilization and design of the Special Devices Center (AD 656633)                   | U            |
| 1046-00-1          | BH              | 2-54  | Non-Flight Trainer Device; Evaluation and Utilization Studies of (AD 646708)  | U            |
| 1051-00-1          |                 | 10-54 | Scoring Trainee Performance on Device 1-BZ-2 (AD 646774)  | U            |
| 1053-1             | AN              | 6-62  | Visual Presentation, 360-Degree Nonprogrammed; Investigation of (AD 291468)   | U            |
| 1084-1             | CO              | 11-62 | Sound on Transparency; Study of Incorporation of (AD 297812)  | U            |
| 1086-1             | AH              | 4-65  | Instructor Station Display and Recording Systems; Study, Aircraft WST (AD 464614)   | U            |
| 1086-2             | AH              | 4-65  | Instructor Station Display and Recording Systems; Functional Requirements for Aircraft WST (AD 464496)                            | U            |

| NAVTRA-<br>DEV-CEN | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|--------------------|-----------------|-------|--|--------------|
| 1089-1             | CN              | 12-63 | Simulation System, Programming Design Manual (AD 439418)   | U            |
| 1097-1             | CM              | 10-63 | Internal Environmental Simulator for a Man-Machine System;<br>Final Engineering Report for (AD 442643)   | U            |
| 1103-1             | BH              | 12-63 | Operator Training; Human Factors Technology in the Design<br>of Simulators for (AD 432028)   | U            |
| 1105-1             | BN              | 4-64  | Fire Control Technician Proficiency by the use of Training<br>Devices; The Enhancement of (AD 446397)  | U            |
| 1119-1             | CX              | 6-62  | Factored Transparency Simulation of Radar Directional Effects;<br>Feasibility Study of Techniques for (AD 849175L)   | U            |
| 1146-1             | BF              | 10-62 | Airplane Dynamic Responses in Simulators in Simulators<br>used for Pilot Training; Criteria for Acceptable Represen-<br>tation of (AD 297838)  | U            |
| 1169-1             | BH              | 1-64  | Training Analysis Procedure (TAP), Volume I: Theoretical<br>Development (AD 434816)  | U            |
| 1169-2             | BH              | 1-64  | Training Analysis Procedure (TAP), Volume II. Handbook<br>for Application (AD 436258)  | U            |
| 1182-5             | CK              | 8-64  | Pressure Chambers; Bio-Instrumentation for Control of<br>(AD 607741)   | U            |
| 1182-5-E1          | CK              | 12-64 | Pressure Chambers; Bio-Instrumentation for Control of  | U            |
| 1188-1             | AY              | 3-63  | High Speed Multichannel Plotter; Final Report for Study of<br>Projection Latron Application to   | U            |
| 1205-1, Vol I      | CW              | 9-63  | Helicopter and V/STOL Aircraft: Helicopter Analysis Report,<br>Study, Equations of Motion of Vertical/Short Take-off<br>and Landing Operational Flight/Weapon System Trainers;<br>Simulation of (AD 601022)    | U            |
| 1205-2 Vol II      | CW              | 9-63  | Helicopter and V/STOL Aircraft: V/STOL Analysis Report,<br>Study, Equations of Motion of Vertical/Short Take-off<br>and Landing Operational Flight/Weapon System Trainers;<br>Simulation of (AD 602427)        | U            |
| 1205-3, Part I     | CW              | 5-64  | Helicopter and V/STOL Aircraft Computational Methods<br>Analog, Study, Equations of Motion of Vertical/Short<br>Take-off and Landing Operational Flight/Weapon System<br>Trainers; Simulation of (AD 607737)   | U            |
| 1205-3, Part II    | CW              | 8-63  | Helicopter and V/STOL Aircraft, Computational Methods<br>Digital, Study, Equations of Motion of Vertical/Short<br>Take-off and Landing Operational Flight/Weapon System<br>Trainers; Simulation of (AD 607738) | U            |
| 1205-4, Vol IV     | CW              | 12-64 | Helicopter and V/STOL Aircraft, Helicopter Analysis Report<br>Study: Feasibility of Reduction in Number of Azimuth<br>Stations used in Helicopter Rotor Simulation; Simulation of<br>(AD 611412)               | U            |
| 1205-5, Vol V      | CW              | 12-64 | Helicopter and V/STOL Aircraft, Summary of Final Results;<br>Simulation of (AD 615452)   | U            |
| 1205-6, Vol VI     | CW              | 1-65  | XC-142 Analog Computer Program Study: XC-142A Simulation<br>Equations Mechanization; Simulation of Helicopter and V/STOL<br>Aircraft (AD 667264)   | U            |
| 1208-1             | AH              | 7-64  | Programmed Instruction; The Investigation of Step Size and<br>Error Rate in (AD 615452)  | U            |
| 1212-1             | DH              | 2-65  | Marine Bio-Acoustics, State of the Art: 1964: Review of<br>(AD 619283)   | U            |
| 1212-2             | DH              | 3-68  | Marine Animal Data Atlas (AD 835746-L)   | U            |
| 1215-1             | BU              | 6-64  | Perception of Distortion: An Experimental Study of<br>Distance and Perspective in the Ames Trapezoid<br>Illusion (AD 607740)   | U            |
| 1218-1             | DG              | 6-64  | Task Analysis and Beginnings of a Theory of Training;<br>Development of an Improved Method of (AD 445869)  | U            |
| 1218-2             | DG              | 6-64  | Task Analysis; Guidelines for (AD 445870)  | U            |
| 1218-3             | DG              | 6-64  | Task Analysis Methods; A Review of the Literature on<br>(AD 445871)  | U            |
| 1218-4             | DG              | 7-65  | Training Situation Analysis; Guidelines for (AD 472155)  | U            |
| 1218-5             | DG              | 9-65  | Training Equipment Development; Task Analysis Methods<br>Compared for Application to (AD 475879)   | U            |
| 1231-1             | BN              | 1-64  | Troubleshooting Strategies; Evaluation of (AD 438924)  | U            |
| 1257-1-1           | DF              | 1-55  | Army Wide CBR Training Aid Requirements (AD 643654)  | U            |
| 1257-2             | DE              | 10-56 | Electronics Trouble-Shooting Training Aids; Evaluation<br>of the Trainer-Tester and Punchboard Tutor as (AD 115706)  | U            |
| 1297-1             | DC              | 9-64  | ASW Training Device; Study of Wake Generating System for<br>(AD 615907)  | U            |

## NAVTRADEV P-3695

| NAVTRA-<br>DEV CEN     | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|------------------------|-----------------|-------|--|--------------|
| 1298-1                 | DB              | 8-63  | Sight Reticle Displacement Study; Final Report   | U            |
| 1303-1                 | CJ              | 6-64  | Rehearsal on Short-Term Recall; The Effect of Various Modes of (AD 605387)   | U            |
| 1303-2                 | CJ              | 6-64  | Perception and Short Term Memory Under Work Load Stress (AD 604866)  | U            |
| 1303-3                 | CJ              | 6-64  | Visual After-Images as a Source of Information (AD 603546)   | U            |
| 1311-1                 | CK              | 3-65  | Simulator, Weapon, Firing and Ranging (Laser) System (AD 619164)   | U            |
| 1316-1                 | CZ              | 7-63  | ASW Training Vehicle; Phase Report No. 1, Parametric Study and Evaluation: Study of Propulsion and Hull System for                                       | C-4          |
| 1316-2                 | CZ              | 10-63 | ASW Training Vehicle; Phase Report, Performance Penalty Evaluation for Electric System, Study of Propulsion and Hull System for                          | C-4          |
| 1316-3                 | CZ              | 10-63 | ASW Training Vehicle; Phase Report, Weight Penalty Evaluation Methods for Thermal System: Study of Propulsion and Hull System for                        | C-4          |
| 1316-4                 | CZ              | 1-64  | ASW Training Vehicle; Phase Report, Summary Report for Electric System Performance, Study of Propulsion and Hull System for                              | C-4          |
| 1316-5                 | CZ              | 1-64  | ASW Training Vehicle; Phase Report, Summary Report for Thermal System Performance, Study of Propulsion and Hull System for                               | C-4          |
| 1316-6                 | CZ              | 3-64  | ASW Training Vehicle; Phase Report Noise Evaluation, Study of Propulsion and Hull System for (AD 349778)   | C-3          |
| 1316-7                 | CZ              | 4-64  | ASW Training Vehicle; Summary Report, Study of Propulsion and Hull System for (AD 350847)  | C-3          |
| 1320-1                 | BI              | 3-64  | Sonar Operator Trainers: A Study of Simulation Requirements for (AD 603329)  | U            |
| 1326-1, Vol I          |                 | 5-65  | Digital Techniques for WST; Study Application of (AD 367643)   | C-3          |
| 1326-1, Vol II, Part I |                 | 5-65  | Digital Techniques for WST; Study Applications of (AD 367644)  | C-3          |
| 1326-1, Vol II, Part 2 |                 | 7-65  | Digital Techniques for WST; Study Applications of (AD 474521)  | C            |
| 1326-1, Vol III        |                 | 5-65  | Digital Techniques for WST; Study Applications of (AD 367646)  | C-3          |
| 1326-1, Vol IV         |                 | 5-65  | Digital Techniques for WST; Study Applications of (AD 367647)  | C-3          |
| 1327-1                 | AG              | 6-64  | Team Training in a CIC-Type Task Environment; Experiments on (AD 608309)   | U            |
| 1327-2                 | AG              | 11-65 | Team Training Research (AD 477963)   | U            |
| 1327-3                 | AG              | 5-66  | Team Training; Laboratory Research on (AD 485636)  | U            |
| 1327-4                 | AG              | 6-67  | Team Training (AD 660019)  | U            |
| 1329-1                 | BW              | 8-64  | Tactical Decision Making in AAW and ASW; Behavioral and Operational Aspects of (AD 607888)   | U            |
| 1329-1-1               | BW              | 8-64  | Tactical Decision Making in AAW and ASW; Behavioral and Operational Aspects of (AD 354672)   | C-4          |
| 1329-2                 | BW              | 12-66 | Tactical Decision Making; Research on Generalized Skills Related to (AD 813382)  | U            |
| 1329-3                 | BW              | 7-68  | Computer-Aided Decision Making; Training Aspects of  | U            |
| 1329-4                 | BW              | 6-70  | Tactrain: An Approach to Computer-Aided Tactical Decision Making Training; Decision-Making Study Final Report, An Experimental Evaluation of (AD 875911) | U            |
| 1339-28-1              | AZ              | 8-57  | Aviation Medical Safety Training: Procedures, Findings, and Recommendations (AD 149500)  | U            |
| 1339-28-2              | AZ              | 8-57  | Aviation Medical Safety Training: Course Content Materials for Training Naval Flight Surgeons (AD 150818)  | U            |
| 1339-28-3              | AZ              | 8-57  | Aviation Medical Safety Training: Recommended Training Aids and Devices (AD 150185)  | U            |
| 1341-1                 | FA              | 2-66  | Army Command Tactical Decision Making; Study of Functional Requirements of Training Equipment for (AD 630312)  | U            |
| 1345-1                 | CY              | 8-65  | Radar Training Requirements; Analysis of (AD 472414)   | U            |
| 1385-1                 | CW              | 10-63 | IR Land Mass   | U            |
| 1385-1                 | CW              | 10-63 | IR Land Mass Characteristics Report, Typical IR Strip Maps   | C-3          |
| Append B               |                 |       |  |              |
| 1385-3                 | CW              | 2-64  | IR Land Mass Transmissions; Prel Simulation Report for   | C-3          |
| 1385-4                 | CW              | 7-64  | IR Land Mass Transmissions; Final Simulation Report for (AD 500059)  | C-3          |
| 1385-5                 | CW              | 4-64  | Airborne IR Detection System; Report for Simulation of   | C-3          |
| 1385-6, Vol I          | CW              | 9-64  | IR Landmass Detection; Final Report, Study, Simulation of (AD 364166)  | C-3          |
| Sections I thru VII    |                 |       |  |              |
| 1385-6                 | CW              | 9-64  | IR Land Mass Detection; Simulation of, Final Report (AD 364166)  | S-3          |
| 1388-1                 | CV              | 6-65  | Pilot Performance and Degree of Simulation; An Experimental Program for Relating Transfer of Training of (AD 471806)                                     | U            |

| NAVTRA-<br>DEV CEN        | CON-<br>TRACTOR | DATE  | TITLE  | SEC<br>CLASS |
|---------------------------|-----------------|-------|--|--------------|
| 1388-2                    | CV              | 12-65 | Pilot Performance, Transfer of Training and Degree of Simulation I, Variations in Program Cycle Time and Aerodynamic Equations (AD 646023)   | U            |
| 1395-1                    | CU              | 7-64  | Adaptive Training and Nonverbal Behavior (AD 610572)   | U            |
| 1407-1                    | CI              | 12-65 | Digital Computation Study, Dynamic vs Kinematic Equations (AD 627099)  | U            |
| 1407-2, Supp 1, Append. C | CI              | 5-65  | Digital Computation Study, Dynamic vs Kinematic Equations Response Curves (AD 368968)  | C-3          |
| 1423-1                    | CT              | 11-66 | Mooring and Docking Maneuvers of a Destroyer and a Surfaced Submarine; Equations of Motion for Visual Time-Sharing; Using a Generalized Contact Flight Simulator to Improve (AD 619047)                | U            |
| 1428-1                    | DX              | 4-65  | Kinetic Cueing in Simulated Carrier Approaches (AD 617689)   | U            |
| 1432-1                    | DW              | 4-65  | Kinetic Cueing in Simulated Carrier Approaches: Study Details (AD 618756)  | U            |
| 1432-1-S1                 | DW              | 4-65  | Computers to Improve Command Post Exercises (AD 628749)  | U            |
| 1439-2                    | DV              | 11-65 | Light and Image Intensification Techniques to Military Training, Project Lit; Solid State Image Intensifiers Phase II: Annual Report on a Broad Continuing Program for The Applications of (AD 619066) | U            |
| 1440-1                    | BO              | 3-65  | Light and Image Intensification Techniques to Military Training; Solid State Image Intensifiers, Phase III, Final Report on a Broad Continuing Program for the Application of                          | U            |
| 1440-2                    | BO              | 11-66 | Physiological Data: Methodology and Apparatus; Collection and Analysis Procedures for (AD 619284)  | U            |
| 1444-1                    | DU              | 5-65  | Anti-Air Warfare Training Program; Procedures and Research Planning for (AD 447537)  | U            |
| 1445-1                    | DT              | 9-64  | Anti-Air Warfare Training Program; Classified Supplement to Procedures and Research Planning for (AD 354390)   | C-3          |
| 1445-S1                   | DT              | 9-64  | Training Performance Evaluation Techniques; Study of (AD 609605)   | U            |
| 1449-1                    |                 | 10-64 | Training Functions During Design of Operation Equipment; Research on Consideration of (AD 625129)  | U            |
| 1450-1                    | BH              | 7-65  | Training Functions During Design of Operational Equipment; Handbook for the Consideration of (AD 625828)   | U            |
| 1450-2                    | BH              | 7-65  | Small Arms Noise Simulators; Fuels for (AD 630278)   | U            |
| 1491-2                    |                 | 2-66  | Oceanographic and Hydrographic Systems for Training (AD 649815)  | U            |
| 1494-1                    | DQ              | 5-66  | Aerodynamic Equations: Optimization of (AD 630268)   | U            |
| 1495-1                    | CI              | 2-66  | Sensorimotor Skill Training; Explorations in the Automation of (AD 619046)   | U            |
| 1517-1                    | FB              | 5-65  | Oceanographic Thermal Gradient Display Study (AD 669488)   | U            |
| 1519-1                    | EW              | 9-65  | Radar Landmass Simulation; Investigation of Computer Techniques for (AD 631592)  | U            |
| 1526-1                    | DS              | 2-66  | Communications as a Measurable Index Team Behavior (AD 623135)   | U            |
| 1537-1                    | DR              | 10-65 | Submarine Tactical Training Design Report Study  | C-3          |
| 1553                      | CC              | 12-64 | Air Cushion Vehicle Operators: Preliminary Investigation of Training Requirements for (AD 609364)  | U            |
| 1557-1                    | DM              | 8-64  | AAW Training Requirements; Systems Analysis of (AD 625378)   | U            |
| 1574-1                    | BH              | 11-65 | Symbolic Displays; Computer Based Adaptive Training Applied to (AD 634338)   | U            |
| 1594-1                    | BW              | 3-66  | Pilot Proficiency; Study, Assessment of (AD 637659)  | U            |
| 1614-1                    | BH              | 8-66  | Laser Projector Display System (Final Report)  | U            |
| 1623                      | DQ              | 3-66  | Point Light Source Projection System Components; Study of (AD 233882)  | U            |
| 1628-1                    | DP              | 3-59  | Point Light Source Techniques to a Breakout Landing Attachment for a Twin-Engine Instrument Trainer; The Application of  | U            |
| 1628-2                    | DP              | 3-59  | Point Source Projection Techniques to Helicopter Low Altitude Navigation Training; The Application of (AD 235880)  | U            |
| 1628-3                    | DP              | 3-59  | Point Source Projection Techniques to Low Altitude-High Speed Navigation Training, The Application of (AD 235881)  | U            |
| 1628-4                    | DP              | 4-59  | Point Light Source Visual Displays; Methods of Presenting Moving Objects in (AD 233912)  | U            |
| 1628-5                    | DP              | 6-59  | Point Source Projector Techniques to Air-to-Air Gunnery Training; The Application of (AD 235882)   | U            |
| 1628-6                    | DP              | 3-59  | Point Source Projection Techniques to Air-to-Surface Attack Training; The Application of (AD 235074)   | U            |
| 1628-7                    | DP              | 6-59  |  | U            |

## NAVTRADEV P-3695

| NAVTRA-<br>DEVCE  | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|-------------------|-----------------|-------|---|--------------|
| 1628-8            | DP              | 6-59  | Point Source Projection Techniques to Air-to-Surface Observation Training; The Application of (AD 233913)   | U            |
| 1628-9            | DP              | 6-59  | Point Source Projection Techniques to Surface Vessel Operation Training; The Application of   | U            |
| 1628-10           | DP              | 6-59  | Point Source Projection Techniques to Ground Operation Training; The Application of (AD 233915)   | U            |
| 1628-11           | DP              | 2-59  | Helicopter Hovering Flight Simulation 2FH2; Evaluation of Experimental Sources and Transparencies for (AD 235883)   | U            |
| 1628-12           | DP              | 4-60  | Basic Motion Device and Screen Structure; Preliminary Design Data (AD 856364)   | U            |
| 1628-13           | DP              | 5-60  | Basic Motion Device; Preliminary Design Data Electrical System (AD 856365)  | U            |
| 1628-14           | DP              | 7-60  | Basic Motion Device; Preliminary Design Data, Inter-Coordination Techniques of (AD 856366)  | U            |
| 1628-15           | DP              | 3-61  | Final Test Report of 2FH4 (AD 857476)   | U            |
| 1628-16           | DP              | 9-63  | Point Light Source Technique, The Development, Application, and Study of (Final Engineering, Operation, and Main tenance Report)  | U            |
| 1630-1            |                 | 12-66 | Hydrofoil Simulation Equations Study: Performance Criteria and Test Report for Hydrofoil Craft (AD 649458)  | U            |
| 1630-2-1, Vol I   |                 | 12-66 | Hydrofoil Simulation Equations Study: Mathematical Model Report, Foilborne Equation of Motion (AD 649331)   | U            |
| 1630-2-2, Vol II  |                 | 12-66 | Hydrofoil Simulation Equations Study: Mathematical Model Report. Equation and Methods for Simulation of Hull Lift, Drag and Pitch Moment (AD 649332)  | U            |
| 1630-2-3, Vol III |                 | 12-66 | Hydrofoil Simulation Equations Study: Mathematical Model Report. Equation and Methods for Simulation of Realistic Seas (AD 649311)  | U            |
| 1630-3            |                 | 12-66 | Hydrofoil Simulation Equations Study: Final Report, Hydrofoil Simulation Equation of Motion (AD 649365)   | U            |
| 1638-1            | DO              | 6-66  | Flight Manuals: Prototype Specification for the Preparation of (AD 637200)  | U            |
| 1638-2            | DO              | 8-66  | Military Manuals: Development of a Prototype Specification for the Preparation of (AD 642322)   | U            |
| 1648-00-1         | BH              | 10-56 | Helicopter Pilotage Map: Proposed Specification for (AD 115482)   | U            |
| 1651-1            | DN              | 2-66  | Lasers for Training Devices (AD 479782L)  | U            |
| 1734-00-1         | BH              | 5-57  | OFT; Use of (AD 643498)   | U            |
| 1743-1            | BH              | 7-66  | Training System use and Effectiveness Evaluation (AD 640423)  | U            |
| 1753-1, Vol I     | DM              | 8-66  | Helicopter and V/STOL Aircraft Simulator Trainer Dynamic Response, Dynamic Response Criteria for Rotary Wing Aircraft Flight Trainers; Study, Survey of (AD 668005)                                     | U            |
| 1753-2, Vol II    | DM              | 5-67  | Helicopter and V/STOL Aircraft Simulator Trainer Dynamic Response, Dynamic Response Criteria for V/STOL Aircraft Flight Trainers; Study, Survey of (AD 668006)  | U            |
| 1753-3, Vol III   | DM              | 6-67  | Helicopter and V/STOL Aircraft Simulator Trainer Dynamic Response, Suggested Guide for a Functional Test Specification for Helicopter and V/STOL Aircraft Flight Trainers; Study, Survey of (AD 667722) | U            |
| 1754-1            | DC              | 9-65  | Wake Generating System for the ASW Submarine Target, Device 21B12 Miniaturized; Preliminary Study Report of (AD 888191)   | U            |
| 1757-1            | BI              | 2-67  | Generalized Sonar Maintenance Trainer; Development and Trial of (AD 381442)   | C-4          |
| 1767              | BH              | 6-66  | Prediction on Training with a Simulated Orbital Docking Task; Role of (AD 636848)   | U            |
| 1813-1            | DL              | 3-66  | Submarine Casualty Control Training; Study of (AD 486430)   | U            |
| 1813-2            | DL              | 7-66  | Submarine Damage Control Training; Study of (AD 377630)   | C-4          |
| 1819-1            | FI              | 8-68  | Automated Non-Material Target System (AD 684866)  | U            |
| 1821-4            | DK              | 11-66 | Flight Cockpit Instruments; Final Report Study, Standardization of  | U            |
| 1822-1            | EP              | 4-69  | Long Term Skill Retention; Study of (AD 503679)   | C-4          |
| 1824-1            | CP              | 10-67 | Digital Radar Landmass Simulation Techniques; Demonstration of (AD 662407)  | U            |
| 1854-1            | DJ              | 12-66 | Ultrasonics for Simulation (Final Report)   | U            |
| 1860-1            | EX              | 5-67  | Model Ocean Wave and Current Generator (Final Report) (AD 824425)   | U            |
| 1861-1            | DI              | 10-66 | Underwater Environment Simulation Feasibility: Final Report (AD 812815L)  | U            |

| NAVTRA-<br>DEV CEN          | CON-<br>TRACTOR | DATE  | TITLE   | SEC<br>CLASS |
|-----------------------------|-----------------|-------|---|--------------|
| 1867-1                      | CK              | 3-66  | Laser Application Aviation Ordnance Study (AD 634917)   | U            |
| 1889-1                      | CV              | 10-66 | Aerodynamic Coefficients; Pilot Performance Transfer of Training and Degree of Simulation II Variations in (AD 655837)                                | U            |
| 1907-7315                   |                 | 9-63  | Coordinate Transformation (AD 426422)   | U            |
| 1908-00-1                   | BH              | 5-57  | Tracking Training I: An Approach (AD 143781)  | U            |
| 1908-00-2                   | BH              | 3-58  | Tracking Training II: A Case History (AD 203255)  | U            |
| 1908-00-3                   | BH              | 1-60  | Tracking Training III: Transfer of Training (AD 239251)   | U            |
| 1908-00-4                   | BH              | 8-60  | Tracking Training IV: Design and Utilization of the General Vehicular Trainer (AD 248260)   | U            |
| 1915-00-1                   | AV              | 4-57  | Helicopter Flight Trainer Research Tool; Evaluation of Training Effectiveness of (AD 125465)  | U            |
| 1915-00-3                   | AV              | 7-57  | Radar Operation Training Problems; Survey of (AD 142674)  | C-3          |
| 1927-00-1                   | AV              | 6-56  | Army Transportation Company Officers Course; Study of Training Aids and Devices in (AD 113128)  | U            |
| 1927-00-2                   | AV              | 6-56  | Army Transportation Company Officers Course; Ratings, Comments and Recommendations for Specific Training Aids Employed in (AD 656635)                 | U            |
| 1939-0-1                    | AG              | 6-58  | Gunfire Support Training: Summary of Findings and Recommendations Concerning use of the Supporting Arms Evaluator; Training Analysis of (AD 300870)   | U            |
| 1939-0-2                    | AG              | 6-58  | Gunfire Support Training: The Supporting Arms Evaluator at NAB Little Creek; Training Analysis of (AD 300891)   | U            |
| 1939-0-3                    | AG              | 6-58  | Gunfire Support Training: The Supporting Arms Evaluator at NAB Coronado; Training Analysis of (AD 300868)   | C-3          |
| 1939-0-4                    | AG              | 11-59 | Gunfire Support Training; A Study of Selected Factors Affecting the Measurement of Total Team Product in (AD 643830)                                  | U            |
| 2204                        | EQ              | 8-67  | Underwater Transducer Study, High Fidelity, Low Frequency; Data Report  | C-3          |
| 3134-1                      |                 | 9-59  | Nuclear Power Plant Simulator for the U.S. Naval Post Graduate School, Monterey, Calif: Report of Conclusions Arrived at from a Feasibility Study for | U            |
| 3143-1                      | EC              | 4-64  | Cueing in Training Tasks: The Use of (AD 601352)  | U            |
| 4078                        | EB              | 2-55  | Tactical Training Simulators; The Application of Digital Computer Techniques to (AD 240664)   | U            |
| 4119-1                      | EA              | 2-66  | Cueing in Training Tasks: Phase II: The Use of (AD 630260)  | U            |
| 4225-1                      |                 |       | Blacklight Presentation Requirements Report, Project 16-E-9   | U            |
| 4717-1                      | DZ              | 8-67  | Cueing in Training Tasks: Phase III: The Use of (AD 657367)   | U            |
| 6344-102, Vol I             |                 | 6-56  | Control Loading System Study; Test Report for   | U            |
| 6344-102, Vol II            |                 | 6-56  | Control Loading System Study; Test Report for   | U            |
| 6344-102, Vol III           |                 | 6-56  | Control Loading System Study; Test Report for   | U            |
| 6344-102, Vol III Section 1 |                 |       |   |              |
| 6344-102, Vol III Section 2 |                 | 11-56 | Control Loading System Study; Test Report for   | U            |
| 6344-102, Vol IV            |                 | 6-56  | Control Loading System Study; Test Report for   | U            |
| 6344-103, Vol IV            |                 | 12-56 | Control Loading System Study; Evaluation and Recommendation Report for  | U            |
| 6344-104                    |                 | 3-57  | Control Loading System Study, Summary Report for  | U            |
| 7561                        | DH              | 9-62  | Marine Animal Sounds: First Interim Report  | U            |
| 7591-R-1                    | AC              | 2-58  | Aircraft, Device 2FS-11; Simulation of (AD 201668)  | U            |
| 7591-R-2                    | AC              | 12-59 | Computers for Aircraft Simulation   | U            |
| 7890-TR-1                   | AC              | 6-59  | Digitally-Controlled Instrument Servos; The Analysis and Design of  | U            |
| 7890-TR-2                   | AC              | 6-59  | Two Digitally-Controlled Instrument Servos; A Simulation Study of   | U            |
| 7951-56-203                 | DY              | 1-56  | Fighter-Bomber Loading Trainer Type 48T05-2; Operations and Service Instruction Handbook  | U            |
| 37003                       | AP              | 12-48 | Phase A: A Review of Methods Project 6-BA (AD 660000)   | U            |
| 37003-1                     | AP              | 4-49  | Phase B: Field Survey Project 6-BA (AD 660005)  | U            |
| 37003-3                     | AP              | 5-49  | Phase C: Experimental Study Project 6-BA (AD 660024)  | U            |
| 37003-4                     | AP              | 6-49  | Blue-Amber Filter System, Project 6-BA; Study of (AD 660025)  | U            |
| 37003-5                     | AP              | 6-49  | Final Report: Summary of Project 6-BA (AD 660026)   | U            |



SECTION III  
INDEX BY TECHNICAL REPORT/NOTE TITLE

| TITLE   | NAVTRA-<br>DEVCEIN | SEC<br>CLASS |
|---|--------------------|--------------|
| AAW Training Requirements; Systems Analysis of, Nov 65 (AD 625378)  | 1574-1             | U            |
| Absolutely-Identifiable Spectral Hues; Number of, Jul 51 (ATI 158176)   | 166-1-134          | U            |
| Accelerometers; Prel Report Survey and Evaluation of, Nov 48  | 106-3              | S            |
| Accuracy of Movement I: The Bisection and Duplication of Linear Extents in the Horizontal Sagittal Plane; Studies in, Oct 49 (AD 640041)                                | 241-6-1            | U            |
| Accuracy of Movement II: The Bisection and Duplication of Linear Extents at Various Angles in the Horizontal Plane and at Inclinations above the Horizontal; Studies in | 241-6-2            | U            |
| Accuracy of Movement III: The Bisection and Duplication of Angular Extents as a Function of Size of Angle and of Type of Endpoint Cue; Studies in, Oct 50 (AD 641)      | 241-6-4            | U            |
| ACO Intercept Performance; The Effect of Overlapping Raid Situations on, Jul 54 (Originally C-4) (AD 65247)   | 279-3-22           | U            |
| ACO Performance as a Criterion; An Experimental Investigation of the Validity of an Empirical Measure of Threat of Enemy Raids using, Nov 53 (AD 43981)                 | 279-3-17           | U            |
| ACO Performance as a Function of Number of Simultaneous Raids and Time Available for Interception, Nov 53 (Originally C-4) (AD 43900)                                   | 279-3-15           | U            |
| ACO Performance of Four Airborne CIC Height Finding Procedures; The Effect on, Aug 54 (Originally C-4) (AD 50799)   | 279-3-16           | U            |
| Acoustic Path, Reliable; Work Plan Report for Study for Simulation Techniques for, Jan 66   | 66-C-0048-1        | U            |
| Acquisition of Skill in Performing Several Similar Tasks; Single Trial Per Task vs Multiple Trials per Task in, Aug 50 (AD 643412)                                      | 938-1-7            | U            |
| Adaptive Stepping Criterion on Tracking Performance; a Preliminary Investigation of the Effects of, Oct 69 (AD 698792)  | TN-3               | U            |
| Adaptive Training and Nonverbal Behavior, Jul 64 (AD 610572)  | 1395-1             | U            |
| Adaptive Training of Manual Control: I. Comparison of Three Adaptive Variables and Two Logic Schemes, Jan 72 (AD 736621)  | 69-C-0156-1        | U            |
| Adaptive Training Via Computer-Assisted Instruction Utilizing Regression Analysis Techniques; Development of a Model for, Jun 70 (AD 708655)                            | 68-C-0071-2        | U            |
| Adjusting an Indicator to a Required Bearing; Accuracy, Variability, and Speed of, Sep 47 (AD 639358)   | 166-1-MHC4         | U            |
| Advanced Submarine Systems Equations Study (Final), Nov 69 (AD 870195)  | 68-C-0050-1        | U            |
| Advanced Submarine Systems Equations Test Data, Nov 69 (AD 511956)  | 68-C-0050-3        | C-4          |
| Advanced Submarine Systems Programing (Final), Nov 69 (AD 871261)   | 68-C-0050-2        | U            |
| Advanced Vehicle Simulation Techniques Final Report; Study of, Oct 71   | 70-C-0312-1        | U            |
| Aerial Gunnery Training Devices 3-A-35 and 3-A-2; An Experimental Study of the Effectiveness of Various Training Procedures used with, Jul 46 (AD 639275)               | 57-1-1             | U            |
| Aerial Gunnery Training Device 3-A-2; An Experimental Study of Learning on, Apr 47 (AD 639279)  | 57-1-5             | U            |
| Aerial Gunnery Training Device 3-A-2; Memorandum on Progress of Learning Study on, Oct 46 (AD 639277)   | 57-1-3             | U            |
| Aerodynamic Coefficients; Pilot Performance Transfer of Training and Degree of Simulation II Variations in, Oct 66 (AD 655837)  | 1889-1             | U            |
| Aerodynamic Equations; Optimization of, Feb 66 (AD 630268)  | 1495-1             | U            |
| AEW Performance; Preliminary Studies of Detection Time and Other Factors Involved in, Aug 50 (AD 641446)  | 279-3-4            | U            |
| Age, Visual Acuity, and Color Vision; Relationships Between, Nov 49 (AD 639867)   | 166-1-103          | U            |
| AGSS 569 Control Room; Human Engineering Study, Mar 52 (Originally C-4) (AD 643116)   | 641-2-15           | U            |
| Airborne IR Detection System; Report for Simulation of, Apr 64  | 1385-5             | C-3          |
| Airborne Radar Display to Present Obstacle Avoidance and Flight Information, Nov 52 (AD 379146)   | 954-19             | C-3          |
| Airborne Tactical Data Training at the Navy CIC School (Glynco); A Study of the Integration of, Oct 61  | 669-1              | C-4          |
| Air Control Center of Picket Submarines; Human Engineering Appraisal of, Dec 50, (Originally C-4) (AD 643155)   | 641-2-10           | U            |
| Aircraft: I. Atmospheric Ozone; Human Problems in the Operation of High Speed, Aug 47 (AD 639027)   | 151-1-2            | U            |
| Aircraft Device 2FS-11; Simulation of, Feb 58 (AD 201668)   | 7591-R-1           | U            |
| Aircraft, High Speed; A Bibliographic Evaluation of the Effects of Acceleration on the Control and Safety of, Feb 48 (AD 642801)  | 151-1-9            | U            |
| Aircraft Instrument Dials; Oxygen Duration Meter; Legibility of, Oct 51 (AD 638868)   | 20-L-4(1)          | U            |
| Aircraft Instruments; Suggestions Concerning Desirable Displays Characteristics for, Jul 49 (AD 657194)   | 71-16-4            | U            |
| Aircraft RSD, Multi-Engine; An Analysis of Pilot's Performance in, Apr 47 (AD 639026)   | 151-1-1            | U            |
| Aircraft Squadron Training Task Analysis; Interim Report, Oct 58 (AD 207658)  | 20-OS-2-1          | U            |
| Aircraft Systems; Investigation of Digital Simulation of, Jun 61 (AD 274175)  | 772                | U            |
| Aircraft; The Human Factor in the Design of Stick and Rudder Control for, Feb 48 (AD 639028)  | 151-1-8            | U            |



| TITLE   | NAVTRA-<br>DEVGEN | SEC<br>CLASS |
|---|-------------------|--------------|
| Aircraft; Visual Requirements for a Wheels-Up Warning Signal Device on, Apr 50 (AD 742865)  | 641-2-6           | U            |
| Air Cushion Vehicle Operators; Prel Investigation of Training Requirements for, Aug 64 (AD 609364)  | 1557-1<br>342-0   | U<br>C-3     |
| Air Defense of the Fleet (Project Overhead); Airborne CIC in, Jan 52 (AD 385664)  | 71-16-10          | U            |
| Air Navigation Displays, Pictorial; A Study of the Moving Part, Heading Presentation, and Map Detail on Pictorial, Nov 53 (AD 637538)   | 1146-1            | U            |
| Airplane Dynamic Responses in Simulators in Simulators used for Pilot Training; Criteria for Acceptable Representation of, Oct 62 (AD 297838)   | 71-16-5a          | U            |
| Airplane Pilot Performance in Landing; The Effects of Eliminating Binocular and Peripheral Monocular Visual Cues upon, Dec 48 (AD 639031)   | 1043-00-1         | U            |
| Airplane Response System; Human Factors in the Design of a Uniform Control Feel, Sep 53 (AD 42391)  | 641-2-9           | U            |
| Airships; Human Factors in the Design of, Jun 50 (Originally C-4) (AD 643118)   | IH-186            | U            |
| Air-To-Ground Weapons Training Ranges; Seismic Scoring System for, Feb 71 (AD 723562)   | 71-16-15          | U            |
| Air Traffic Control Procedures; Two Simulators for Training Pilots and Controllers in, Jun 55 (AD 70889)  | 58-2-9            | U            |
| Alertness Indicator and Further Results; Prediction and Continuity of Alertness: III Calibration of, Feb 48 (AD 639044)   | 58-2-3            | U            |
| Alertness Indicator; Interim Progress Report  | 58-2-2            | U            |
| Alertness Indicator; Interim Progress Report, Feb 47 (AD 139610)  | 58-2-10           | U            |
| Alertness Indicator Model 482-A, Portable, and Calibrating Unit Model 487; Manual of, Alertness Indicator, Portable; Interim Progress Report Laboratory and Road Tests, Dec 48 (AD 639043)  | 58-2-8            | U            |
| Alertness Indicator; Review of Literature and Some Preliminary Results in the Development of, Jun 46 (AD 639040)  | 58-2-1            | U            |
| Alertness: I Control of Lockout Alertness; Prediction and Automatic Control of, Aug 47 (AD 639041)  | 58-2-5            | U            |
| Alertness: II Continuous Tracking; Prediction and Control of, Jun 48 (AD 654264)  | 58-2-6            | U            |
| Aligning the Movable Range Marker with Blips on the Plan Position Indicator; Accuracy of, Aug 48 (AD 639288)  | 166-1-46          | U            |
| Alignment Errors Between the Bearing Cursor and Antenna Trace on the PPI of the SG-1b (MOD 50) Radar; Study of, Jul 47 (AD 639394)  | 166-1-20          | U            |
| Alternating Practice on the Performance of Two Antagonistic Motor Tasks; Effects of, Jul 50 (AD 643411)   | 938-1-6           | U            |
| Analog Computer Mechanization of Experimental Electronic Periscope View Simulator, Jun 69   | IH-162            | U            |
| Analyzing Errors in Man-Machine Systems; Theory and Methods for, Jan 51 (AD 657522)   | 166-1-49          | U            |
| AN/APA-56 Console; Evaluation of Five Methods of Obtaining Range and Bearing on AN/APA-56 Installation for Project Cadillac; Tabulation of Failure Reports of AN/APS-45 (XN); Recommended Modifications of the Specifications for, Jul 50 | 279-3-3           | U            |
| Animated Training Panels; A Set of Discriminable Surface Colors and Symbols for Coding in, May 59 (AD 220477)   | 279-3-2           | U            |
| APA-56; Production Console Preliminary Layout of Controls and Displays of, Apr 52 (Originally C-4 S1) (AD 659514)   | 279-3-1           | U            |
| Antiaircraft Weapon, 40-mm and the MK 13 Type Torpedo; The Comparative Effectiveness of a Mockup, Cutaway and Projected Charts in Teaching Nomenclature and Function of, Mar 54 (AD 63936)  | 20-OS-52          | U            |
| Anti-Air Warfare Training Program; Classified Supplement to Procedures and Research Planning for, Sep 64 (AD 354390)  | 279-3-10          | U            |
| Anti-Air Warfare Training Program; Procedures and Research Planning for, Sep 64 (AD 447537)   | 269-7-100         | U            |
| Antireflection Thin Films on Transparent Media, Feb 72 (AD 736609)  | 1445-S1           | C-3          |
| Anti-Submarine Airplane: Phase I, System Analysis; Human Factors in the Design and Operation of, Dec 52 (AD 42775)  | 1445-1            | U            |
| Anti-Submarine Airplane: Phase II, Personnel Performance Requirements: Human Factors in the Design and Operation of, Apr 54 (AD 49796)  | TN-24             | U            |
| Anti-Submarine Airplane: Phase III, Human Engineering Recommendations; Human Factors in the Design and Operation of, Feb 54 (AD 42774)  | 954-00-22         | U            |
| Anti-Submarine Systems; Project Thunderhead, An Economic Study of some Competitive, Dec 53 (Originally Secret) (AD 49245)   | 954-00-23         | U            |
| Apparent Brightness; Some Effects of Shape on, Jul 50 (AD 640096)   | 954-00-24         | U            |
| Armed Aircraft Qualification Range Scoring System; Concept Formulation Study for, Apr 70 (AD 869900)  | 954-00-21         | C-3          |
| Armed Aircraft Qualification Range Scoring System; Report on Results of Concept Formulation Activities for, Apr 70 (AD 870828)  | 166-1-109         | U            |
|   | 69-C-0179-1       | U            |
|   | 69-C-0178-1       | U            |

| TITLE   | NAVTRA-<br>DEVCE | SEC<br>CLASS |
|---|------------------|--------------|
| Army Command Tactical Decision Making; Study of Functional Requirements of Training Equipment for, Feb 66 (AD 630312)                         | 1341-1           | U            |
| Army Field Artillery Training Program; Study of the Present Status of Training Aids and Devices in, Jun 56 (AD 642596)                        | 495-8-1          | U            |
| Army Field Forces; The Development of Specifications of a Standard Display Board for, Feb 52 (AD 658739)                                      | 927-00           | U            |
| Army Guided Missiles Training Requirements, Aug 52 (Originally SI) (AD 806313)  | 495-01-2         | C-4          |
| Army Transportation Company Officers Course; Ratings, Comments and Recommendations for Specific Training Aids Employed in, Jun 56 (AD 656635) | 1927-00-2        | U            |
| Army Transportation Company Officers Course; Study of Training Aids and Devices in, Jun 56 (AD 113128)  | 1927-00-1        | U            |
| Army Wide CBR Training Aid Requirements, Jun 55 (AD 643654)   | 1257-1-1         | U            |
| Articulation in Repeated Phrases; Precision of, 49 (AD 642481)  | 411-1-14         | U            |
| ASROC Trainer, Shorebased; Human Factors Recommendations for, Sep 58 (AD 305428)  | 336-1            | U            |
| ASROC WST, Shorebased; Human Engineering Support for, Apr 60 (AD 840274)  | 598-1            | U            |
| Assault Boat Coxswain Trainer Feasibility Study, Feb 67 (AD 809071L)  | 1H-58            | U            |
| Assault Boat Motion in Waves; A Mathematical Model for, Jun 69 (AD 712773)  | 68-C-0152-1      | U            |
| Assessor Device 3-E-7; Final Report Ranging Tracking Aiming Point, (AD 639038)  | 58-1-5           | U            |
| Assessor Device 3-E-7; The Ranging Tracking Aiming Point; Interim Report on, Sep 46 (AD 639036)   | 58-1-3           | U            |
| ASW Aircraft; Analysis Report (Phase I) for a Simulation of Aspect Equipment of, Jul 66   | 66-C-0044-2      | C-4          |
| ASW Aircraft; Aspect Simulation Design Report (Phase III) for, Jan 67   | 66-C-0044-4      | C-4          |
| ASW Aircraft; Design Criteria Report (Phase II) for a Simulation of Aspect Equipment of, Dec 66   | 66-C-0044-3      | U            |
| ASW Heavier-than-Air Aircraft, Current; Crew Training, Equipment and Operating Conditions in, May 53 (AD 378181)                              | 954-(00)-20      | C-3          |
| ASW Training Device; Study of Wake Generating System for, Sep 64  | 1297-1           | U            |
| ASW Training Vehicle; Phase Report Noise Evaluation, Study of Propulsion and Hull System for, Mar 64 (AD 3497788)                             | 1316-6           | C-3          |
| ASW Training Vehicle; Phase Report No. 1 Parametric Study and Evaluation: Study of Propulsion and Hull System for, Jul 63                     | 1316-1           | C-4          |
| ASW Training Vehicle; Phase Report, Performance Penalty Evaluation for Electric System, Study of Propulsion and Hull System for, Oct 63       | 1316-2           | C-4          |
| ASW Training Vehicle; Phase Report, Summary Report for Electric System Performance, Study of Propulsion and Hull System for, Jan 64           | 1316-4           | C-4          |
| ASW Training Vehicle; Phase Report, Summary Report for Thermal System Performance, Study of Propulsion and Hull System for, Jan 64            | 1316-5           | C-4          |
| ASW Training Vehicle; Phase Report, Weight Penalty Evaluation Methods for Thermal System: Study of Propulsion and Hull System for, Oct 63     | 1316-3           | C-4          |
| ASW Training Vehicle; Summary Report, Study of Propulsion and Hull System for, Apr 64 (AD 350847)   | 1316-7           | C-3          |
| Attack Center of 563/564; Arrangement of Equipment in, Jul 49 (Originally C-4) (AD 820546)  | 641-3-3          | U            |
| Audio Aids to Blind Flying and a Scoring Device for the Link Trainer, Jul 49 (AD 657464)  | 370-2-1          | U            |
| Audio Signals for Identification of Radar Signals; Use of, Mar 49 (AD 644708)   | 166-1-84         | U            |
| Auditory Signals, Jan 49 (AD 639628)  | 166-1-71         | U            |
| Auditory Stimulation upon Decrement and Reminiscence in Rotary Pursuit Tracking; Effects of (AD 665932)                                       | 1H-139           | U            |
| Auditory Training Aids; The Acceptability and Effectiveness of the Casual use of, Mar 60 (AD 243219)  | 373-1            | U            |
| Augmented Feedback and the Acquisition and Transfer of Skill; Research on, Sep 62 (AD 293884)   | 836-3            | U            |
| Augmented Feedback and Tracking Skill, Oct 59 (AD 230999)   | 508-3            | U            |
| Augmenting Feedback and Transfer of Training, Mar 66 (AD 631405)  | 1H-41            | U            |
| Autokinesis and Felt Eye Position, Mar 68 (AD 668015)   | 1H-142           | U            |
| Automated Instruction; Learner Control of, Aug 70 (AD 728429)   | 68-C-0071-3      | U            |
| Automated Non-Material Target System, Aug 68 (AD 684866)  | 1819-1           | U            |
| Automated Operator Instruction in Team Tactics, Jan 72  | 70-C-0310-1      | U            |
| Automated Teaching; A Review of Theory and Research, Jun 60 (AD 241283)   | 507-2            | U            |
| Automated Training Evaluation (ATE), Jan 72 (AD 736932)   | 70-C-0132-1      | U            |
| Automated Weapon System Trainer, Jun 70 (AD 872854)   | 69-C-0151-1      | U            |
| Automatic Target Positioning Unit, Model 1, Feb 51 (AD 640071)  | 166-1-75         | U            |
| Aviation Medical Safety Training: Course Content Materials for Training Naval Flight Surgeons, Aug 57 (AD 150818)                             | 1339-28-2        | U            |
| Aviation Medical Safety Training: Procedures, Findings, and Recommendations, Aug 57 (AD 149500)   | 1339-28-1        | U            |

| TITLE  | NAVTRA-<br>DEVCE | SEC<br>CLASS |
|--|------------------|--------------|
| Aviation Medical Safety Training: Recommended Training Aids and Devices, Aug 57 (AD 150185)  | 1339-28.3        | U            |
| Aviation Training Army; Study of, Oct 53 (AD 109263)   | 71-43-1          | U            |
| Aviation Training Syllabus Material Project 20-E-6; The Development of, Aug 48 (AD 641595)   | 383-1-7          | U            |
| Aviator Escape System Trainer, Mar 61 (AD 156342)  | 880-1            | U            |
| Azimuth Position; Accuracy of Visual Estimation of, Feb 50 (AD 127072)   | 166-1-70         | U            |
| Basic Motion Device and Screen Structure; Preliminary Design Data, Apr 60 (AD 856364)  | 1628-12          | U            |
| Basic Motion Device; Preliminary Design Data Electrical System, May 60 (AD 856365)   | 1628-13          | U            |
| Basic Motion Device; Preliminary Design Data, Inter-Coordination Techniques of, Jul 60 (AD 856366)   | 1628-14          | U            |
| Bearing and Range Errors Due to Delays in Transmission of Radar Information; Calculation of, Feb 47 (AD 639296)  | 166-1-11         | U            |
| Bearing and Range in Rectangular Coordinates; Simulated Display of, May 49 (AD 640075)   | 166-1-81         | U            |
| Bearing Counter and Bearing Dial for Use with PPI Presentations; Relative Efficiency of, Aug 47 (AD 639384)  | 166-1-26         | U            |
| Bearing Under Conditions of Scope Decentration; Unaided Visual Estimation of Behavioral Science Programming Language; Development of, Feb 71 (AD 726432) | 779-3-2          | U            |
| Billet Analysis and Evaluation Project 20-E-6; Report on, Jun 48 (AD 641596)   | 70-C-0046-1      | U            |
| Binaural Loudness Matching with Repeated Short Tones; Accuracy of, Jun 47 (AD 43979)   | 383-1-3          | U            |
| Binocular Rivalry; Influence of Figure-Ground Relationships in, Feb 51 (AD 640131)   | 166-1-16         | U            |
| Bioelectric Potentials; Surface Electrodes for Recording (AD 639042)   | 166-1-127        | U            |
| Blacklight Presentation Requirements Report, Project 16-E-9  | 58-2-7           | U            |
| Blue-Amber Filter System Project 6-BA; Study of, Jun 49 (AD 660025)  | 4225-1           | U            |
| Building "Feel" into Controls: The Effects on Motor Performance of Different Kinds and Amounts of Feedback, Oct 53 (AD 92507)                            | 37003-4          | U            |
| Building "Feel" into Controls II: Pressure Feedback Short Movements, and the Influence of Mixed vs Constant Series of Displacements, Aug 55 (AD 109356)  | 241-6-11         | U            |
| Bullpup Missile Ground and In-flight Trainers; Proposed Evaluation for, Feb 57 (AD 378903)   | 241-6-25         | U            |
| Carrier Landing Training; Study of, Dec 54 (AD 140210)   | 76-1             | C-3          |
| Cathode-Ray Screens: Positive vs Negative Signals on an Intensity Modulated Scope; Visibility on, Oct 49 (AD 640092)                                     | 20-A-22-1        | U            |
| Cathode-Ray Screens: Search Time as a Function of Signal Strength; Visibility of, Dec 49 (AD 640090)   | 166-1-102        | U            |
| Cathode-Ray Screens: Signals on a P-7 Screen Exposed for Different Intervals; Visibility on, Jun 49 (AD 639865)  | 166-1-101        | U            |
| Cathode-Ray Screens: Viewing Angle; Visibility on (AD 640087)  | 166-1-83         | U            |
| Cathode-Ray Tube Bias on Visibility of Targets on a Remote PPI; Effect of, Dec 46 (AD 639371)  | 166-1-92         | U            |
| Cathode-Ray Tube (PPI Presentation) with and without an Associated Auditory Signal; Detection of New Targets on, Feb 47 (AD 72813)                       | 166-1-6          | U            |
| Cathode-Ray Tube Screen Displays; Recording Photometer and its use in Studies of, Jan 48 (AD 639280)   | 166-1-10         | U            |
| Cathode-Ray Tube Screens: Intensity and Color of Ambient Illumination; Visibility on (AD 639862)   | 166-1-45         | U            |
| Cathode-Ray Tube Screens: Problems and Methods; Visibility on (AD 639290)  | 166-1-56         | U            |
| Cathode-Ray Tube Screens; Purkinje After Image on (AD 492701)  | 166-1-38         | U            |
| Cathode-Ray Tube Screens: Screen Brightness; Visibility on (AD 657520)   | 166-6-116        | U            |
| Cathode-Ray Tube Screens: Signals on a P7 Screen seen at Different Intervals after Excitation; Visibility on, Apr 48 (AD 657515)                         | 166-1-42         | U            |
| Cathode-Ray Tube Screens: The Effects of Light Adaptation; Visibility on, Oct 47 (AD 639390)   | 166-1-35         | U            |
| Cathode-Ray Tube Screens: The Effect of Size and Shape of Pip; Visibility on, Dec 48 (AD 639863)   | 166-1-32         | U            |
| Chronoscope; Wide Range Electronic, Dec 50 (AD 657620)   | 166-1-57         | U            |
| CIC, Airborne; An Experimental Evaluation of Four Communication Procedures in, Dec 54, (Originally C-4) (AD 65248)                                       | 166-1-120        | U            |
| CIC, Airborne; An Experimental Evaluation of Integrated Airborne Early Warning Systems in, Aug 55 (AD 79296)   | 279-3-11         | U            |
| CIC, Airborne; An Experimental Evaluation of Three AEW Intercept Systems in, Aug 55 (AD 81025)   | 279-3-18         | C-3          |
| CIC, Airborne; Experimental Methods of Evaluating a System, Jul 51, (Originally C-4) (AD 641455)   | 279-3-21         | C-3          |
| CIC, Airborne; The Effect of Continuous Operation on the AEW Function of Air Control Officers in, Mar 53 (Originally C-4 S1) (AD 14170)                  | 279-3-7          | U            |
|  | 279-3-12         | U            |

| TITLE   | NAVTRA-<br>DEV CEN | SEC<br>CLASS |
|---|--------------------|--------------|
| CIC, Airborne; The Effect of Number of Air Controllers on the Air Intercept Control Performance of, Sep 54 (Originally C-4) (AD 65246)  | 279-3-20           | U            |
| CIC Compartment of the WV-2 Aircraft; Recommendations for Operating Procedures and Personnel Allocation in, Feb. 56 (AD 112900)   | 279-3-23           | C-3          |
| CIC in the PO-2W Aircraft Layout of, Apr 51 (AD 641448)   | 279-3-5            | U            |
| CIC of the DER; Arrangement of Equipment in, Jul 50 (Originally C-4) (AD 643156)  | 641-3-5            | U            |
| CIC of the USS North Hampton; Evaluation of two Proposed Plotting Systems for, Aug 51 (Originally C-4) (AD 643184)  | 641-3-8            | U            |
| CIC's: A Preliminary Survey; The use of Status Boards in, Dec 52 (Originally C-2S1) (AD 14177)  | 279-3-14           | U            |
| CIC System, Airborne; The Effect of Number of Search Operators, Reporting Procedures and Load on the Performance of, Oct 53 (Originally C-4 S1) (AD 43899)                              | 279-3-13           | U            |
| Circular Scale Markers as a Function of the Separation Between Markers; Accuracy of Visual Interpolation Between, Apr 49 (AD 657516)  | 166-1-52           | U            |
| Clothing Penetration Tests for the M-16 Training Cartridge, Dec 71  | IH-190             | U            |
| Coded Switching Keyboards; Some Perceptual Problems in the Design of, Oct 51 (AD 639854)  | 166-1-126          | U            |
| Code Learning; The Effect of Task-Induced Stress on, Dec 50 (AD 660022)   | 166-1-121          | U            |
| Coding Information for Visual Displays; Psychological Problems in, May 49 (AD 640077)   | 166-1-93           | U            |
| Color and Black and White in Instructional Films; Relative Effectiveness of, Jun 52 (AD 640873)   | 269-7-28           | U            |
| Color Temperatures of Incandescent Lamps; Physical Comparator for, Jul 51 (AD 657618)   | 166-1-133          | U            |
| Color Vision Due to Training - A Report of Three Cases; Stability of Improvement in, Jun 49 (AD 639687)   | 166-1-89           | U            |
| Combat Information Center, Submarine; Arrangement of Equipment in, Mar 48 (AD 135631)   | 151-1-12           | U            |
| Combat Recognition Requirements, Apr 52 (AD 641850)   | 383-6-1            | U            |
| Commentary Variations: Level of Verbalization, Personal Reference, and Phase Relations in Instructional Films on Perceptual-Motor Tasks, Dec 49 (AT1155904)                             | 269-7-4            | U            |
| Communication Messages Aboard Naval Vessels; A Study of Type and Frequency of, Apr 55 (AD 78536)  | 104-2-42           | U            |
| Communications as a Measurable Index Team Behavior, Oct 65 (AD 623135)  | 1537-1             | U            |
| Communicator; The Classroom, Oct 50 (AD 640883)   | 269-7-14           | U            |
| Compensatory Tracking Resulting from Reversal of the Display-Control Relationship; Transfer Effects in, Aug 55 (AD 109353)  | 241-6-21           | U            |
| Compensatory Tracking Task; The Effect on Performance of Varying the Directions and Planes of Movement of the Control Cranks on, Aug 55 (AD 109240)                                     | 241-6-18           | U            |
| Compensatory Training Task of Interchanging the Controls of the Axes of Movement between the Hands; The Effects on Performance of, Aug 55 (AD 110963)                                   | 241-6-23           | U            |
| Complex Coordination I: Performance of the Two-Hand Coordinator as a Function of the Planes of Operation of the Controls; Studies in, Aug 50 (AD 657192)                                | 241-6-3            | U            |
| Complex Coordination II: Performance of the Two-Hand Coordinator as a Function of the Relations Between Direction or Rotation of Controls and Direction; Studies in, Nov 50 (AD 640042) | 241-6-5            | U            |
| Complex Information; Visual Display of, Apr 49 (AD 644706)  | 166-1-72           | U            |
| Complex Motor Skill; The Effects of an Interfering Task on the Learning of, Aug 49 (AD 657460)  | 316-1-9            | U            |
| Complex Sounds; A Fundamental Frequency Recorder for, Oct 53 (AD 45504)   | 104-2-34           | U            |
| Computer-Aided Decision Making; Training Aspects of, Jul 68   | 1329-3             | U            |
| Computer-Aided Learning of Sound Identification; Further Experiments on, Apr 64 (AD 602079)   | 789-2              | U            |
| Computer Controlled Audio Response Systems; Survey of, Oct 68   | IH-79              | U            |
| Computer Controlled Maintenance Training; Memory Factors in, Aug 69 (AD 697980)   | 68-C-0071-1        | U            |
| Computers for Aircraft Simulation, Dec 59   | 7591-R-2           | U            |
| Computer Generated Displays; A Survey of Various, Aug 65  | IH-39              | U            |
| Computers in Training Devices; an Investigation of, Jun 69  | IH-146             | U            |
| Computers to Improve Command Post Exercises, Nov 65 (AD 628749)   | 1439-2             | U            |
| Computers, Two Intercept Course; The Design and Evaluation of, Jun 54 (AD 65249)  | 279-3-19           | U            |
| Computer; The Pulsed Analog Demonstration. (Final Demonstration Report), Apr 59   | 45-1               | U            |
| Conference, Second Naval Training Device Center and Industry; Proceedings of, Nov 67  | IH-143             | U            |
| Conference, Third Naval Training Device Center and Industry; Proceedings of, Nov 68 (AD 854363L)  | IH-161             | U            |
| Conference, Fourth Naval Training Device Center and Industry; Proceedings of, Nov 69 (AD 707757)  | IH-173             | U            |
| Conference, Fifth Naval Training Device Center and Industry; Proceedings of, Feb 72 (AD 737226)   | IH-206             | U            |
| Contact Flight, Naval Air Basic Training; Studies in, Jul 52 (AD 128359)  | 383-5-2            | U            |
| Contact Flight Training; Evaluation of the Link SNJ Operational Trainer as an Aid in, Jul 49 (AD 637621)  | 71-16-5            | U            |

| TITLE  | NAVTRA-<br>DEVCECN | SEC<br>CLASS |
|--|--------------------|--------------|
| Contact Flight Training; Study of, Jul 52 (AD 128357)  | 383-5-2            | U            |
| Contact Landing Skills; Effects of Programmed Perceptual Training on the Learning of, Apr 61 (AD 264377)   | 297-3              | U            |
| Contact Effects; Role of Repetition Rate and Interstimulus Interval in, Oct 51 (ATI 169233)  | 166-1-135          | U            |
| Controlled-Current Circuit Application, Mar 57   | 57-16              | U            |
| Controlled-Current Transistor Switching Circuits; A Preliminary Study of, Dec 56   | 57-09              | U            |
| Controllemen; Training and Supervision of, Apr 50 (AD 656632)  | 641-2-7            | U            |
| Control Loading System Study; Evaluation and Recommendation Report for, Dec 56   | 6344-103           | U            |
| Control Loading System Study; Summary Report for, Mar 57   | 6344-104           | U            |
| Control Loading System Study; Test Report for, Jun 56  | 63441-02, Vol I    | U            |
| Control Loading System Study; Test Report for, Jun 56  | 6344-102, Vol II   | U            |
| Control Loading System Study; Test Report for  | 6344-102, Vol III  | U            |
| Control Loading System Study; Test Report for, Nov 56  | Section I          |              |
|  | 6344-102, Vol III  | U            |
|  | Section 2          |              |
|  | 6344-102, Vol IV   | U            |
| Control Loading System Study; Test Report for, Jun 56  |                    |              |
| Controls and Displays on Radar Console Panel: A Contribution to a Panel Layout; Survey of the Importance and use of, Jul 47 (AD 639376)                        | 166-1-17           | U            |
| Coordinate Transformation, Sep 63  | 1907-7315          | U            |
| Core System of Navy Radar Operator Training Devices; Principles and Preliminary Recommendations for, Mar 60 (AD 238776)  | 348-1              | U            |
| Corrective Lenses, Filters, and Structure; Empty Visual Field Studies: Some Effects of, Jun 64 (AD 445863)   | IH-14              | U            |
| Counting Repeated Short Tones; Accuracy of, Jan 51 (AD 640925)   | 166-1-122          | U            |
| Cranking a Hand Wheel at Different Positions on a Vertical Surface; Relative Performance for, Apr 48 (AD 144672)   | 166-1-22           | U            |
| Crew Performance Measurement for High Performance Aircraft Weapon System Training: Air To Air Intercept; Study of, Feb 71 (AD 727739)                          | 70-C-0059-1        | U            |
| Cueing in Training Tasks; Phase II; The Use of, Feb 66 (AD 630260)   | 4119-1             | U            |
| Cueing in Training Tasks; Phase III; The Use of, Aug 67 (AD 657367)  | 4717-1             | U            |
| Cueing in Training Tasks; The Use of, Apr 64 (AD 601352)   | 3143-1             | U            |
| Cursors for PPI; Gear Ratios for, Jun 49 (AD 640079)   | 166-1-96           | U            |
| CW Laser Beam; Non-Mechanical, Controlled Deflection of, Aug 64  | IH-20              | U            |
| Daylight Projection of Film Loops in Teaching Skills; Evaluation of a Procedure for using, May 52 (AD 640877)  | 269-7-25           | U            |
| DDE 719, Commanding Officer's Tactical Plot; Human Engineering Appraisal of, Feb 51 (Originally C-4) (AD 643172)   | 641-3-6            | U            |
| DD 927 and CLK 1; Human Factors in the Arrangement of Equipment on, Apr 50 (Originally C-4) (AD 820543)  | 641-3-4            | U            |
| Decision Making and Team Training Research to Operational Training; A Translative Technique; Final Report Application of, Apr 70 (AD 871984)                   | 68-C-0242-1        | U            |
| Decision Making, Phase II; Training Aspects of, Jun 62 (AD 283848)   | 588-2              | U            |
| Decision Making; Psychological Study of, Mar 61 (AD 259992)  | 797-1              | U            |
| Decision Making; Training Aspects of, Mar 61 (AD 259187)   | 588-1              | U            |
| Deriving Required Training Aids/Devices and Application to the Tactical Coordinator Position and ASW Aircraft; Development of a Method for, Jun 70 (AD 872267) | 68-C-0212-1        | U            |
| Design for Maintainability, Apr 60 (AD 241901)   | 330-1              | U            |
| Destroyer Mooring and Docking; Analog Computer Simulation of, Apr 69 (AD 853352)   | IH-150             | U            |
| Detecting Weak Radar Targets; Search Factor in, Jul 47 (AD 657478)   | 166-1-28           | U            |
| Deviation of Aerial Cameras from the Vertical; Preliminary Report on some Methods for Finding, Feb 49  | 106-5              | C            |
| Device X3F67A (A Propeller of Liquid Filled Gelatin Balls); Ballistic Tests of, Jan 69 (AD 860957L)  | IH-168             | U            |
| Differential Reinforcement of the Discrimination of Visual Number; The Effect of, Sep 51 (AD 657402)   | 131-1-MHC-8        | U            |
| Difficulty Level and Kind of Tracking Problem and the Type of Tracking and Type of Control; The Relationship Between, Oct 61 (AD 268337)                       | 342-4              | U            |
| Digital Computation Study, Dynamic vs Kinematic Equations Response Curves, May 65 (AD 368968)  | 1407-2, Sup 1      | C-3          |
|  | Append C           |              |
| Digital Computation Study, Dynamic Vs Kinematic Equations, Dec 65 (AD 627099)  | 1407-1             | U            |
| Digital Computers, Actuating Trainers by; Feasibility of, (Progress Report No. 1)  | 52-22              | U            |
| Digital Computers, Actuating Trainers by; Feasibility of, (Progress Report No. 2)  | 52-37              | U            |
| Digital Computers, Actuating Trainers by; Feasibility of, (Progress Report No. 3)  | 53-06              | U            |
| Digital Computer Training Devices Technical Progress Report, May 55  | IH-32              | U            |
| Digital Instruments; Analysis of, Dec 64   | IH-24              | U            |
| Digital Integration and Resolution Design Study; Device 24DRI; Final Report on, Jun 58   | 128-1              | U            |



| TITLE   | NAVTRA-<br>DEV-CEN       | SEC<br>CLASS |
|---|--------------------------|--------------|
| Digital Integration and Resolution Design Study Part II Numerical Solution of Ship Equations Device 24DRI; Final Report on, Aug 58                        | 128-2                    | C-3          |
| Digitally-Controlled Instrument Servos; The analysis and Design of, Jun 59  | 7890-TR-I                | U            |
| Digital Maps; Final Report: Investigation of the Compilation of, Feb 64   | 1025-4                   | U            |
| Digital Radar Landmass Simulation Techniques; Demonstration of, Oct 67 (AD 662407)  | 1824-1                   | U            |
| Digital Sonar Maintenance Trainer: An Adjunct to Device 14E22; Design Characteristics of, Jun 71 (AD 729029)  | 69-C-0268-1              | U            |
| Digital Techniques for WST; Study Applications of, May 65 (AD 367643)   | 1326-1, Vol I            | C-3          |
| Digital Techniques for WST; Study Applications of, May 65 (AD 367644)   | 1326-1, Vol II<br>Part I | C-3          |
| Digital Techniques for WST; Study Applications of, May 65 (AD 367646)   | 1326-1, Vol III          | C-3          |
| Digital Techniques for WST; Study Applications of, May 65 (AD 367647)   | 1326-1, Vol IV           | C-3          |
| Digital Techniques for WST; Study Applications of, Jul 65 (AD 474521)   | 1326-1, Vol II<br>Part 2 | C            |
| Direct Estimates of Bearing from Large Display Screens; Accuracy and Variability of May 47 (AD 639359)  | 166-1 MHC-I              | U            |
| Direct Paired Associates Learning; Effectiveness and Student Acceptance of, Feb 66 (AD 628449)  | IH-42                    | U            |
| Direct-Reading Counter-Type Indicator vs Conventional Radar Bearing and Range Dials; Speed of Reading Target Information from, Nov 46 (AD 127071)         | 166-1-3                  | U            |
| Discrete Movements in the Horizontal Plane as a Function of their Length and Direction, Oct 47 (AD 639282)  | 57-2-2                   | U            |
| Discrete Movements in the Horizontal Plane; Effect of Speed-Up Instructions upon the performance of, Jan 48 (AD 639283)                                   | 57-2-3                   | U            |
| Discrete Movements in the Horizontal Plane when Executed with one and two hands; Characteristics of, Aug 48 (AD 639285)                                   | 57-2-5                   | U            |
| Discrete Movements Toward and Away from the Body in the Horizontal Plane, Sep 48 (AD 639291)  | 57-2-6                   | U            |
| Discrete Radar Target Events; Functional Relationship for Time Density to the Detection of, Apr 51 (AD 641452)  | 279-3-6                  | U            |
| Discriminative Motor Tasks; Relation between Similarity and Transfer of Training in the Learning of, Jul 49 (AD 641585)                                   | 316-1-5                  | U            |
| Display Control Configurations; Tracking Performance Related to, Jan 59 (AD 228749)   | 322-1-2                  | U            |
| Driving Skills Through Exposure to a Specially Produced Motion Picture Film; A Study of the Learning of Selected, Apr 60 (AD 237913)                      | 78-2                     | U            |
| Dynamic Test Program for WST, Apr 59 (AD 228942)  | 318-1                    | U            |
| Dynamic Test Program for WST; Final Report, Phase III, Mar 61 (AD 323180)   | 318-2                    | C-3          |
| Dynamic Test Program for WST; Summary Report, Phase IV, Jun 61 (AD 262667)  | 318-4                    | U            |
| Dynamic Test Techniques to WST; Final Report Addendum, Application of, Sep 60 (AD 484396)   | 318-5                    | U            |
| Educational Research Projects, Project 20-E-6; First Interim Report on, Dec 47 (AD 641598)  | 383-1-1                  | U            |
| Educational Sound Motion Picture; The Effect of a Pre-Film Test on Learning from Nov 52 (AD 10042)  | 269-7-35                 | U            |
| Ejection Seat Training with Special References to SDC Device No. 6EQ-2; Project Designation NR SDC Human Engineering Effectiveness of, Nov 50 (AD 642247) | 383-5-1                  | U            |
| Electronic Counter-Measure and Electronic Warfare Training Devices; Technical Analysis Study of, Mar 67 (AD 380020L)                                      | IH-66                    | S-3          |
| Electronic Equipment, the Maintenance of; Factors Influencing (Errata Notice No. 1) Nov 58  | 20-OS-23-4               | U            |
| Electronic Equipment, the Maintenance of; Human Factors in Maintenance Factors Influencing, Sep 58 (AD 207657)  | 20-OS-23-4               | U            |
| Electronic Picture Converter (Project 7819-2), Aug 66   | IH-59                    | U            |
| Electronics Double-Shooting Training Aids; Evaluation of the Trainer-Tester and Punchboard Tutor as, Oct 56 (AD 115706)                                   | 1257-2-1                 | U            |
| Electro-Optical Visual Display Simulator Study (U), Feb 69 (AD 503441L)   | 68-C-0314-2              | S-3          |
| Electrophotograph to Television Projection; Application of, May 60 (AD 673536)  | 531-1                    | U            |
| Electrostatic Charge on an In-Flight Projectile; An Exploratory Investigation into the Polarity of, Jul 65 (AD 626189)                                    | IH-30                    | U            |
| Elementary Meteorology; The Relative Effectiveness of Differing Commentaries in an Animated Film on, Jun 55 (AD 90592)                                    | 269-7-43                 | U            |
| Emergencies (Riot Control); Evaluation of the Film; Military Police Support in, Oct 54 (AD 73889)   | 269-7-52                 | U            |
| Engineering Practices Survey: OFT Cockpit Instruments, Standardization Project 3501-III, Sep 63   | IH-5                     | U            |
| Engine Simulation Methods for OFT; (Final Report) A Study of, Jul 61  | 822-4                    | U            |
| Engine Simulation Methods for OFT; Phase I, A Study of, Oct 60  | 822-1                    | U            |
| Engine Simulation Methods for OFT; Phase II, A Study of, Mar 61   | 822-2                    | U            |



| TITLE  | NAVTRA-<br>DEV CEN | SEC<br>CLASS |
|--|--------------------|--------------|
| Engine Simulation Methods for OFT; Phase III, A Study of, Jun 61   | 822-3              | U            |
| Environmental Simulation; Design Factors in, Dec 70 (AD 880048)  | 66-C-0019-1        | U            |
| Equipment Design Problems; The Use of Human Engineering Data in, May 48 (AD 639029)  | 151-1-16           | U            |
| Estimation of Bearing; Special Problems in, Jan 48 (AD 658891)   | 166-1-MHC-2        | U            |
| Estimations of Distance on Polar Coordinate Plots as a Function of the Scale Used, Apr 48 (AD 639392)  | 166-1-44           | U            |
| European Training Devices; A Survey of, May 65 (AD 630246)   | IH-17              | U            |
| Evaluating Training with the 1948 Annual Survey as an Example, Project 20-E-6; The Training Survey - A Method of, Aug 49 (AD 641599)   | 383-1-8            | U            |
| Evaluation Procedure for Training Aids and Devices; Construction of the 1953 Form of, Jan 53 (AD 221526)   | 383-2-2            | U            |
| Evaluation Procedure for Training Aids and Devices (The Problem, The Evaluation Procedure, Use and Interpretation, Discussion and Comment); The Development of, Jun 50 (AD 642312) | 383-2-1            | U            |
| Evaluation Procedures for Prototype Devices; Phase I, Development of, Feb 50 (AD 641600)   | 383-2-1 Supp I     | U            |
| Evaluation Procedures; Phase II, Validation Field Study of, Apr 50 (AD 641601)   | 383-2-1 Supp II    | U            |
| Exercise Simulator and Systems Analysis; Command and Staff, Feb 59   | 510-1              | U            |
| Exercise Simulator and Systems Analysis; Command and Staff, Jan 59   | 510-2              | U            |
| Exercise Simulator and Systems Analysis; Command and Staff, Oct 59   | 510-3              | U            |
| Experimental Film Variables, Study I: Verbalization, Rate of Development, Nomenclature, Errors, How-it-Works, Repetition; Effects on Training of, Oct 50 (ATI 155416)              | 269-7-17           | U            |
| Experimental Film Variables Study II: Verbalization, How it Works, Nomenclature, Audience Participation, and Succinct Treatment; Effects on Training of, Mar 50 (AD 156417)        | 269-7-11           | U            |
| Experimental Model, ECM Deception Repeater Trainer, Aug 71   | 69-C-0310-1        | S-3          |
| Experimental Target Designation Equipment; Final Remarks on the Appraisal of, Jul 51 (AD 55889)  | 166-1-136          | U            |
| Exploratory Studies: The Relation Between 'Uncertainty' and Vocal Intensity, Jun 49 (AD 222136)  | 411-16             | U            |
| Eye Movement Research Program Annual Report, Jul 69 (AD 694465)  | IH-166             | U            |
| Factored Transparency Simulation of Radar Directional Effects, Feasibility Study of Techniques for, Jun 62 (AD 849175L)  | 1119-1             | U            |
| Feasibility Demonstration Report; Device X3B57, Aug 68   | 67-C-0202-1        | U            |
| Fiber Optics Remote Sight for Assessment of Gunner Performance, May 68 (AD 671073)   | IH-148             | U            |
| Fighter-Bomber Loading Trainer Type 48T05-2; Operations and Service Instructor HB, Jan 56  | 7951-56-203        | U            |
| Fighter, Supersonic, using a Digital Computer; Simulation of   | 55-20              | U            |
| Film Analyzer, Oct 50 (ATI 155213)   | 269-7-15           | U            |
| Film "How to Operate the Army 16-mm Sound Projector Set", Instructional Effect of, Sep 52 (AD 10692)   | 269-7-29           | U            |
| Film Introductions and Film Summaries to Learning from Instructional Films Contributions of, Nov 49 (AD 640885)  | 269-7-8            | U            |
| Film Learning; The Effects of Inserted Questions and Statements on, Sep 50 (ATI 156418)  | 269-7-16           | U            |
| Film Learning; The Value of Note-Taking During, Nov 51 (AD 640876)   | 269-7-21           | U            |
| Film-Mediated Learning; The Effect of Attention Gaining Devices on, Mar 50 (ATI 156419)  | 269-7-9            | U            |
| Film-Mediated Perceptual Motor-Learning; Effects of Learner Representation in, Dec 49 (ATI 155962)   | 269-7-5            | U            |
| Film Profiles, Nov 51 (AD 640875)  | 269-7-23           | U            |
| Film-Viewing Practice on Learning from Instructional Films; Effect of, Nov 51 (AD 640886)  | 269-7-20           | U            |
| Final Report: Summary of Project 6-BA, Jun 49 (AD 660026)  | 37003-5            | U            |
| Final Report Univ. of Penn. Moore School, Jun 56   | 57-02              | U            |
| Final Test Report of 2FH4, Mar 61 (AD 857476)  | 162B-15            | U            |
| Fire Control System MK 101 on the SSK-1; Human Engineering Evaluations of, Feb 53 (Originally C-4) (AD 820544)   | 954-17             | U            |
| Fire Control Technician Proficiency by the use of Training Devices; The Enhancement of, Apr 64 (AD 446397)   | 1105-1             | U            |
| Fire Unit Proficiency Analyser; Human Factors Recommendations for the Redstone Missile, Apr 57 (AD 130703)   | 69-1               | U            |
| Fire Unit Proficiency Analyser; Human Factors Support in the Design and Use of the Redstone Missile, Jun 58 (AD 203254)  | 69-2               | U            |
| Fire Unit Proficiency Analyser, Prototype; Appendix to the Instructor-Umpire Guide for, Aug 57 (AD 302866)   | 69-4               | U            |

| TITLE   | NAVTRA-<br>DEV CEN | SEC<br>CLASS |
|---|--------------------|--------------|
| Fire Unit Proficiency Analyser, Prototype; Instructor-Umpire Guide for, Aug 57 (AD 205253)  | 69-3               | U            |
| Fire Unit Proficiency Analyser, Prototype; Training Guide for, Aug 57 (AD 205252)   | 69-7               | U            |
| Fire Unit Proficiency Analyser, (Test Exercise 1), Prototype; Test Exercises for, Aug 57 (AD 303120)  | 69-5               | U            |
| Fire Unit Proficiency Analyser, (Test Exercise 2), Prototype; Test Exercises for, Aug 57 (AD 303119)  | 69-6               | U            |
| Fixed Gunnery Slide Film Deflection Trainer (3-C-9); Preliminary Report on, Jul 45 (AD 639276)  | 57-1-2             | U            |
| Flight Cockpit Instruments; Final Report Study, Standardization of, Nov 56  | 1821-4             | U            |
| Flight Handbooks; Improvement of, Jun 61 (AD 266704)  | 748-1              | U            |
| Flight Information Displays for Instructional Consoles, Sep 58 (AD 207656)  | 20-OS-31-1         | U            |
| Flight Maneuver; Contribution of Part Task Training to the Relearning of, Mar 61 (AD 259505)  | 297-2              | U            |
| Flight Maneuver; Part vs Whole-Task Learning of, Jun 60 (AD 242580)   | 297-1              | U            |
| Flight Manuals; Prototype Specification for the Preparation of, Jun 66 (AD 637200)  | 1638-1             | U            |
| Flight Performance Ratings; Psychological Studies of Advanced Naval Training: Analysis of, Sep 50 (AD 654581)   | 999-1-2            | U            |
| Flight Simulation; Motion Factors in, Dec 70 (AD 880341)  | 68-C-0007-1        | U            |
| Flight Simulator; Experimental Analog-Digital. (Final Demonstration Report), Jan 59   | 45-2               | U            |
| Flight Trainer Digital Computer Study   | 51-14              | U            |
| Flight Trainer Digital Computer Study, Mar 51   | 51-28              | U            |
| Flight Trainers, Digital; Design of, Sep 53   | 54-09              | U            |
| Flight Trainers, Digital; Design of. (Progress Report No. 1)  | 53-21              | U            |
| Flight Trainers, Digital; Design of. (Progress Report No. 2), Jul 53  | 54-08              | U            |
| Flight Training A Human Factors View; Motion in, Oct 70 (AD 880445)   | 1H-177             | U            |
| Flying, Low Altitude; Analysis of, Oct 57 (AD 159629)   | 76-2               | U            |
| Flying Proficiency Problems in the Naval Air Reserve Training Command; Survey of, Nov 58 (AD 209185)  | 71-16-17           | U            |
| FM Sonar Simulation Techniques, Feb 71  | 1H-184             | U            |
| Following and Compensatory Tracking Tasks; Facilitation Effects between, Aug 52 (AD 126262)   | 241-6-7            | U            |
| Following Tracking Resulting from Reversal of the Display-Control Relationship on Alternate Blocks of Trials; Transfer Effects in, Sep 53 (AD 51494)        | 241-1-10           | U            |
| Following Tracking Task of Interchanging the Direction of Display Movement Controlled by Each Hand; The Effect upon Performance on, Aug 55 (AD 109355)      | 241-6-24           | U            |
| Forward Torpedo Room in the 563/564 Class Submarines; A Human Engineering Study of Feb 51 (Originally C-4) (AD 643115)                                      | 641-2-11           | U            |
| Fractional Data: Validation; Construction of Subjective Brightness Scales from (AD 640088)  | 166-1-97           | U            |
| Frequency Distortion in the 8-1 Portable Interphone Trainer (AD 657467)   | 104-2-1            | U            |
| Friction on the Accuracy of Knob Settings; The Effects of, Aug 55 (AD 109236)   | 241-6-14           | U            |
| Fundamental Frequency Analyzer; The Purdue Pitch Meter, a Direct-Reading (AD 639087)  | 104-2-18           | U            |
| Gain Characteristics for Various Projection Screen Materials; Evaluation of, Mar 64   | 1H-8               | U            |
| Gallium Arsenide Injection Laser Diode Quick Kill Weapon Fire Simulator, Nov 69 (AD 863027)   | 1H-170             | U            |
| Generalized Fire-Control System Maintenance Trainer (GFCSMT); Design Characteristics of, Sep 71   | 70-C-0249-1        | U            |
| Generalized Sonar Maintenance Trainer; Development and Trial of, Feb 67 (AD 381442)   | 1757-1             | C-4          |
| Generalized Sonar Maintenance Trainer into Navy Training for an Evaluation of its Effectiveness; The Introduction of, Apr 69 (AD 690604)                    | 68-C-0005-1        | U            |
| Generalized Submarine Advanced Casualty Ship Control Training Device; A Study of, Aug 70 (AD 878836)  | 69-C-0117-1        | U            |
| Generalized Training Devices; Application and Design Characteristics of, Sep 71 (AD 733471)   | Vols I-II          |              |
| General Vehicular Research Tool; Tracking Training V: Field Study of the Training Effectiveness of, Dec 62 (AD 401583)                                      | 70-C-0309-1        | U            |
| Geometric Figures Under Complex Conditions; Discriminability Between Nov 50 (AD 640098)   | 955-1              | U            |
| Geometric Forms; Visual Discrimination of, Jul 50 (AD 640095)   | 166-1-111          | U            |
| Graphic Training Aids, Effective; A Review of Literature Pertinent to the Design and use of, Oct 54 (AD 96883)  | 166-1-108          | U            |
| Grid-Polar Conversion Plotting Methods; Evaluation of, Mar 51 (AD 384098)   | 494-08-1           | U            |
| Ground Reference Maneuvers; Evaluation of the School Link as an Aid in Teaching, Dec 50 (AD 657473)   | 641-3-7            | C-3          |
| Ground Training in Aviation, Project 20-E-6; Source: Book on the Application of Research to, May 49 (AD 651675)   | 71-16-7            | U            |
| Group Differences; Statistical Tests of, April 61 (AD 259513)   | 383-1-11           | U            |
| Gunfire Support Training; Study of Selected Factors Affecting the Measurement of Total Team Product in, Nov 59 (AD 643830)                                  | 294-3              | U            |
| Gunfire Support Training; Summary of Findings and Recommendations concerning use of the Supporting Arms Evaluator; Training Analysis of, Jun 58 (AD 300870) | 1939-0-4           | U            |
|   | 1939-0-1           | U            |

|   |                 |     |
|---|-----------------|-----|
| Gunfire Support Training: Supporting Arms Evaluator at NAB Coronada; Training Analysis of, Jun 58 (AD 300868)   | 1939-0-3        | C-3 |
| Gunfire Support Training: Supporting Arms Evaluator at NAB Little Creek; Training Analysis of, Jun 58 (AD 300891)   | 1939-0-2        | U   |
| Gunnery, Basic Fixed; Study of, Jul 52 (AD 641824)  | 383-5-3         | U   |
| Gunnery Training Devices, Correct Point of Aim in; Memorandum on the use of, Oct 46 (AD 639278)   | 57-1-4          | U   |
| Gunnery Training Devices, 3 E-7 and 3-A-40; Evaluation of, Apr 50 (AD 639039)   | 58-1-6          | U   |
| Guppy Submarines; Modification of the Design of Visual Displays in the Maneuvering Room of, Sep 49 (Originally C-4) (AD 642800)   | 641-2-3         | U   |
| Guppy Submarines; Performance of Controllermen in the Propulsion Cubicle of, Jun 49 (Originally C-4) (AD 642739)  | 641-2-1         | U   |
| Hand Grenade Simulator, Scoring, Device 3F65; Inspection Procedure Report on, Dec 68  | IH-157          | U   |
| Heading System; I-CA-2. (Modification of Memo-Report), June 54 (AD 638347)  | 71-16-1M        | U   |
| Hearing, Jun 51 (AD 646812)   | 166-1-132       | U   |
| Helicopter and V/STOL Aircraft Computational Methods Analog, Study, Equations of Motion of Vertical/Short Take-off and Landing Operational Flight/Weapon System Trainers; Simulation of, May 64 (AD 607737)     | 1205-3, Part I  | U   |
| Helicopter and V/STOL Aircraft, Computational Methods Digital Study, Equations of Motion of Vertical/Short Take-off and Landing Operational Flight/Weapon System Trainers; Simulation of, Aug 63 (AD 607738)    | 1205-3, Part II | U   |
| Helicopter and V/STOL Aircraft; Helicopter Analysis Report, Study, Equations of Motion of Vertical/Short Take-off Landing Operational Flight/Weapon System Trainers; Simulation of, Sep 63 (AD 601022)          | 1205-1, Vol I   | U   |
| Helicopter and V/STOL Aircraft, Helicopter Analysis Report, Study: Feasibility of Reduction in Number of Azimuth Stations used in Helicopter Rotor Simulation; Simulation of, Dec 64 (AD 611412)                | 1205-4, Vol IV  | U   |
| Helicopter and V/STOL Aircraft Simulator Trainer Dynamic Response, Dynamic Response Criteria for Rotary Wing Aircraft Flight Trainers; Study, Survey of, Aug 66 (AD 668005)                                     | 1753-1, Vol I   | U   |
| Helicopter and V/STOL Aircraft Simulator Trainer Dynamic Response, Dynamic Response Criteria for V/STOL Aircraft Flight Trainers; Study, Survey of, May 67 (AD 668006)  | 1753-2, Vol II  | U   |
| Helicopter and V/STOL Aircraft Simulator Trainer Dynamic Response, Suggested Guide for a Functional Test Specification for Helicopter and V/STOL Aircraft Flight Trainers; Study, Survey of, Jun 67 (AD 667722) | 1753-3, Vol III | U   |
| Helicopter and V/STOL Aircraft, Summary of Final Results; Simulation of, Dec 64 (AD 615452)   | 1205-5, Vol V   | U   |
| Helicopter and V/STOL Aircraft: V/STOL Analysis Report, Study, Equations of Motion of Vertical/Short Take-off and Landing Operational Flight/Weapon System Trainers; Simulation of, Sep 63 (AD 602427)          | 1205-2, Vol II  | U   |
| Helicopter Flight and Tactics Training; Study of, Aug 53 (AD 120153)  | 971-0-1         | U   |
| Helicopter Flight Trainer Research Tool; Evaluation of Training Effectiveness of, Apr 57 (AD 125465)  | 1915-00-1       | U   |
| Helicopter Hovering Flight Simulation 2FH2; Evaluation of Experimental Sources and Transparencies for, Feb 59 (AD 235883)   | 1628-11         | U   |
| Helicopter Main Rotor Blade Tracking Device, 9-U-96; Final Report Part I  | 110F            | U   |
| Helicopter Pilotage Map; Proposed Specification for, Oct 56 (AD 115482)   | 1648-00-1       | U   |
| Helmet, Primary Flight, Device 12-BK-6 (Impact-Audible Signal System for Flight Training); Evaluation of, Dec 49 (AD 657474)  | 411-1-18        | U   |
| High Fidelity Low Frequency Underwater Transducer Study (U), Aug 67 (AD 394449L)  | 66-C-0089-1     | C-3 |
| High Speed Aircraft: A Critical Review; The Effect of Heat upon the Performance of Men in, Jun 48 (Originally Restricted) (AD 657482)   | 151-1-17        | U   |
| High Speed Multichannel Plotter; Final Report for Study of Projection Latron Application to, Mar 63   | 1188-1          | U   |
| Holographic Parameters; An Investigation of, Mar 70 (AD 872988)   | TN-11           | U   |
| Holographic Procedures; Simplification of, Nov 65 (AD 658522)   | IH-43           | U   |
| Holography, Jan 72 (AD 736926)  | TN-20           | U   |
| Holography; Polarization Effects in, Feb 70 (AD 874638)   | TN-9            | U   |
| Holography with Application to X-Rays; Sequential Stereo, May 69 (AD 854598)  | IH-160          | U   |
| Home Measures of Ability to Measures of Learning from Sound Motion Pictures; The Relation of, Sep 55 (AD 81666)   | 269-7-58        | U   |
| Homogeneous Environment; Effects of Stimulus and Field Size on the Accuracy of Orientation in, Jul 64 (AD 607739)   | IH-13           | U   |
| Homogeneous Environment; Vertical Orientation in, Oct 64 (AD 608568)  | IH-19           | U   |
| Homogeneous Visual Field under a Condition of Infinite Depth of Focus; Detection in a, Aug 65   | IH-33           | U   |
| How We See, Summary of Basic Principles (AD 204769)   | 166-1-85        | U   |
| Hue, Brilliance, Area and Shape; The Speed and Accuracy of Discrimination Differences, Sep 51 (AD 639143)   | 131-1-2         | U   |
| Human Engineering and Systems Research; Validity of Prediction from Laboratory Experiments to Naval Operational Situations in the Area of, Dec 50 (AD 143295)   | 166-1-130       | U   |
| Human Engineering Data; Handbook of, Apr 55 (Originally C-4) (AD 80917)   | 199-1-3 Supp    | U   |

| TITLE  | NAVTRA-<br>DEV CEN | SEC<br>CLASS |
|--|--------------------|--------------|
| Human Engineering; Handbook of, Nov 52 (AD 43650)  | 199-1-2a           | U            |
| Human Engineering; System Research with Special Reference to, Jan 52 (AD 643829)   | 2nd Ed Rev.        |              |
| Human Eye for Electric Stimulation by Different Wave Forms; Thresholds of (AD 659690)  | 641-2-13           | U            |
| Human Factors Inputs to the Training Device Design Process, Sep 71 (AD 734644)   | 166-1-145          | U            |
| Human Factors Laboratory Reports (1945-1968); Annotated Bibliography of, Feb 69 (AD 686174)  | 69-C-0298-1        | U            |
| Human Tolerance to G Forces; a Method of Increasing the Maneuverability of High Speed Aircraft Within the Limits of, Feb 48 (AD 657449)                        | 1H-158             | U            |
| Hybrid Radar Landmass Simulator: Engineering Report Nr 1; Development of, Jul 68   | 151-1-11           | U            |
| Hybrid Radar Landmass Simulator: Engineering Report Nr 2; Development of, Nov 68   | 68-C-0155-1        | U            |
| Hybrid Radar Landmass Simulator: Engineering Report Nr 3; Development of, Jan 69   | 68-C-0155-2        | U            |
| Hybrid Radar Landmass Simulator: Engineering Report Nr 4; Development of, Mar 69   | 68-C-0155-3        | U            |
| Hybrid Radar Landmass Simulator: Engineering Report Nr 5; Development of, Mar 70   | 68-C-0155-4        | U            |
| Hybrid Radar Landmass Simulator: Engineering Report Nr 6; Development of, Mar 70   | 69-C-0086-1        | U            |
| Hybrid Radar Landmass Simulator: Engineering Report Nr 7; Development of, Jun 71   | 69-C-0086-2        | U            |
| Hydrofoil Simulation Equations Study: Final Report, Hydrofoil Simulation Equation of Motion, Dec 66 (AD 649365)  | 70-C-0262-2        | U            |
| Hydrofoil Simulation Equations Study: Mathematical Model Report. Equation and Methods For Simulation of Hull Lift, Drag and Pitch Moment, Dec 66 (AD 649332)   | 1630-3             | U            |
| Hydrofoil Simulation Equations Study: Mathematical Model Report. Equation and Methods for Simulation of Realistic Seas, Dec 66 (AD 649311)                     | 1630-2-2, Vol II   | U            |
| Hydrofoil Simulation Equations Study: Mathematical Model Report Foilborne Equation of Motion, Dec 66 (AD 649331)   | 1630-2-3, Vol III  | U            |
| Hydrofoil Simulation Equations Study: Performance Criteria and Test Report for Hydrofoil Craft, Dec 66 (AD 649458)   | 1360-2-1, Vol I    | U            |
| Image Intensifiers, Solid State; Annual Report (Application of Light and Image Intensification Techniques to Military Training) (Phase IV), Jun 68 (AD 673980) | 1630-1             | U            |
| Increasing ASW Helicopter Effectiveness Through Communications Training, Oct 68  | 66-C-0064-1        | U            |
| Individual Differences among Naval Aviation Students (Psychological Studies of Training Techniques), Project 20-E-6; A Study of, May 49 (AD 641593)            | 66-C-0045-1        | U            |
| Induced Motion; An Analysis of, Feb 66 (AD 630275)   | 383-1-12           | U            |
| Induced Stress in a Naval Training School: Effects of, Jul 62 (AD 234679)  | 1H-48              | U            |
| Induced Stress on Learning and Performance; Effects of, Mar 62 (AD 283105)   | 565-3              | U            |
| Initial Training, Performance on a Tracking Task Simulating Fixed Gunnery as a Function of; Instructions and Difficulty Level of, Sep 56 (AD 113744)           | 565-2              | U            |
| Instructional Film Production, Utilization and Research in Great Britain, Canada, and Australia, May 49 (AD 640427)  | 668-9-2            | U            |
| Instructional Film Research; Learning Theories and, Jun 49 (AD 640450)   | 269-7-1            | U            |
| Instructional Film Research Reports, Jan 53 (AD 45501)   | 269-7-6            | U            |
| Instructional Film Research Reports, Jun 56 (AD 114651)  | 269-7-36           | U            |
| Instructional Film Research 1918-1950 (Chapter 9 covers the Content of Special Report No. 1), Dec 50 (AD 647255)   | 269-7-61, Vol II   | U            |
| Instructional Films; A Bibliography of Production, Utilization and Research on, Nov 53 (AD 47612)  | 269-7-19           | U            |
| Instructional Films by a Trained Panel using a Film Analysis Form; The Evaluation of, Sep 55 (AD 654584)   | 269-7-40           | U            |
| Instructional Films; Comparison of the Audio and Video Elements of, Nov 50 (AT 156415)   | 269-7-57           | U            |
| Instructional Motion Pictures; Relationship of Length and Fact Frequency to Effectiveness of, Nov 49 (AD 640880)   | 269-7-18           | U            |
| Instruction by: Films Exclusively, Films Plus Study Guides, and Standard Lecture Methods; Relative Effectiveness of, Jul 50 (AD 640882)                        | 269-7-7            | U            |
| Instructor Console Instrument Simulation, Sep 71 (AD 731739)   | 269-7-13           | U            |
| Instructor Evaluation, Project 20-E-6; Construction of Three Measures for, Jul 48 (AD 641590)  | 1H-195             | U            |
| Instructor's Evaluation Report (Psychological Studies of Training Techniques, Project 20-E-6; Preliminary Validation of), Apr 49 (AD 641591)                   | 383-1-5            | U            |
| Instructor Station Display and Recording System; Functional Requirements for Aircraft WST, Apr 65 (AD 464496)  | 383-1-9            | U            |
| Instructor Station Display and Recording Systems; Study, Aircraft WST, Apr 65 (AD 464614)  | 1086-2             | U            |
| Instrument Dial Shape on Legibility; Effect of, Apr 48 (AD 639364)   | 1086-1             | U            |
| Instrument Flight, Information Required by Pilots; Preliminary Analysis of, Apr 49 (AT 170739)   | 166-1-33           | U            |
| Instrument Flying Skills as a Function of the Level of Initial Proficiency; The Forgetting of, Jan 59 (AD 637570)  | 71-16-1            | U            |
| Intelligibility Critiques and Notes Personality Traits and Speaking (AD 45389)   | 71-16-18           | U            |
| Intelligibility; Syllable Duration and Intensity Related to, Jul 49 (AD 639084)  | 104-2-28           | U            |
| Intelligibility Testing in Three Conditions Involving Masking Noise, Dec 49 (AD 111557)  | 104-2-15           | U            |
| Intelligibility Testing; The Manual-Verbal Response Tachistoscope; Distracting Device, Jun 50 (AD 639088)  | 104-2-17           | U            |
| Intelligibility Test Series, VCL; Item Analysis, Apr 50 (AD 647402)  | 104-2-20           | U            |
| Interaural Phase Differences on the Perception of Pure Tones; Some Effects of, Jun 51 (AD 657528)  | 104-2-19           | U            |
| Interference; Investigation of Individual Susceptibility to, Aug 50 (AD 643474)  | 166-1-131          | U            |
|  | 938-1-10           | U            |

| TITLE   | NAVTRA-<br>DEVGEN   | SEC<br>CLASS |
|---|---------------------|--------------|
| Intermittent Course Illumination of Differing Frequencies on Tracking Performance; The Effect of, Aug 55 (AD 109238)  | 241-6-16            | U            |
| Internal Environmental Simulator for a Man-Machine System; Final Engineering Report for, Oct 63 (AD 442643)   | 1097-1              | U            |
| Interphone Trainer, Device 8-1, Portable; Training Manual for, Dec 48 (AD 639618)   | 104-2-12            | U            |
| IP48/APA-56 Range-Azimuth Indicator; Modification of the Controls of  | 279-3-1             | U            |
| IP48/APA-56 Range Azimuth Indicator; Supplement to Modification of the Controls of  | 279-3-1 Supp A      | U            |
| IP48/APA-56 Range-Azimuth Indicator; Supplement to Modification of the Controls of  | 279-3-1 Supp B      | U            |
| IR Land Mass, Oct 63  | 1385-1              | U            |
| IR Land Mass Characteristics Report, Typical IR Strip Maps  | 1385-1 Append B     | C-3          |
| IR Land Mass Detection; Final Report, Study, Simulation of, Sep 64 (AD 364166)  | 1385-6 Vol I        | C-3          |
|   | Sections I thru VII |              |
| IR Land Mass Detection; Simulation of, Final Report, Sep 64 (AD 364166)   | 1385-6              | S-3          |
| IR Land Mass Transmission; Final Simulation Report for, Jun 64 (AD 500059)  | 1385-4              | C-3          |
| IR Land Mass Transmissions; Preliminary Simulation Report for, Feb 64   | 1385-3              | C-3          |
| IR Photography; Recording of Audience by, Sep 55 (AD 78538)   | 269-7-56            | U            |
| IR Techniques to Military Training, Phase I: A General Examination of the Technology; Application of, Aug 61 (AD 268042)  | 750-1               | U            |
| IR Techniques to Military Training Phase II: A Consideration of Specific Military Training; Application of, Aug 61 (AD 267685)  | 759-2               | U            |
| Isoceles Triangles; Aesthetic Preference for, Sep 51 (ATI 158174)   | 166-1-141           | U            |
| Joystick-Maker Control Mechanism; Unaided Bearing and Range Accuracy Obtained by Tracing Simulated Targets with, Nov 50 (AD 644933)   | 166-1-118           | U            |
| Judgements; Absolute Amount of Information in, Jul 51 (AD 819798)   | 166-1-137           | U            |
| Judgements, Half-Loudness; Some Statistical Aspects of, Oct 51 (ATI 165422)   | 166-1-139           | U            |
| Judgements, Loudness; Equal Discriminability Scale for, Dec 51 (ATI 169144)   | 166-1-143           | U            |
| Julie, Advanced, Phase I Analysis; Study of Simulation Techniques for, Jul 66   | 66-C-0061-1         | C-4          |
| Julie, Advance, Phase II, Design Criteria; Study of Simulation Techniques, Jan 67   | 66-C-0061-2         | C-4          |
| Julie, Advance, Phase III Advanced Design; Study of Simulation, Techniques for, Apr 67  | 66-C-0061-3         | C-4          |
| Kinescope Recordings and Training Films; Relative Effectiveness of Verbal Introduction to, May 55 (AD 73886)  | 269-7-42            | U            |
| Kinescopes and Files; Learning from, Apr 52 (AD 119109(b))  | 20-TV-1             | U            |
| Kinescopes, Two; Evaluation of, Oct 53 (AD 47610)   | 269-7-38            | U            |
| Kinetic Cueing in Simulated Carrier Approaches; Study Details, Apr 65 (AD 618756)   | 1432-1-S1           | U            |
| Kinetic Cueing in Simulated Carrier Approaches, Apr 65 (AD 617689)  | 1432-1              | U            |
| Knob Control Adjustments; Time-Ordered Effects in Long Series of, Aug 55 (AD 103351)  | 241-6-19            | U            |
| Knob Setting Performance: The Effect of Varying Degrees of Knowledge of Results on, Aug 55 (AD 109352)  | 241-6-20            | U            |
| Knob Settings as a Function of: I. The plane in which the Knob Turns; and II. The Diameter of the Knob; Accuracy of, Jan 53 (AD 119858)   | 241-6-8             | U            |
| Knob Settings; The Effects of Inertia on the Accuracy of, Jan 53 (AD 109235)  | 241-6-9             | U            |
| Knowledge of Results in Learning: A survey; The Role of, May 61 (AD 262937)   | 342-3               | U            |
| Landing Displays for use with a Contact Flight, Mar 51 (AD 657193)  | 71-16-8             | U            |
| Landing Performance using a Contact Landing Trainer; Improving, Mar 54 (AD 121200)  | 71-16-11            | U            |
| Large Screen Discrete Element Matrix Display: An Investigation of, Nov 70 (AD 878773)   | 69-C-0269-4         | U            |
| Large-Screen Quick-Stop Projector Study, Jun 67   | 1H-81               | U            |
| Laser Application Aviation Ordnance Study, Mar 66 (AD 634917)   | 1867-1              | U            |
| Laser Deflection by a Torsionally Resonant Horn Loaded Piezoelectric Ceramic, May 67 (AD 81660L)  | 1H-70               | U            |
| Laser Hazards, Jul 68 (AD 838773L)  | 1H-151              | U            |
| Laser Parameters for Human Viewing; An Analysis of Viewing Direct and Scattered Laser Radiation, Aug 68 (AD 675825)   | 67-C-0096-1         | U            |
| Laser Projector Display System (Final Report), Mar 66   | 1623                | U            |
| Laser Safety, Nov 70 (AD 721088)  | 1H-181              | U            |
| Lasers for Training Devices, Feb 66 (AD 479782L)  | 1651-1              | U            |
| Lasers for Training Devices Final Report, Oct 70 (AD 737658)  | 66-C-0147-1         | U            |
| Lasers: Safety Recommendations and a Comment on the Concept of Ocular Damage; Biological Effects of, Jul 64 (AD 607718)   | 1H-15               | U            |
| Leadership Structure and Organization Change; Measures of Learning and Overlearning on Proactive and Retroactive Facilitation and Interference; Effects of Level of, Aug 50 (AD 643413) | 17-3                | U            |
| Learning and Overlearning; Physiological Correlates of, Jul 66 (AD 636397)  | 938-1-8             | U            |
| Learning by Paired-Associates; Memory Drum vs. Adjusted-Learning Techniques in the Study of Associative Interference in, Aug 49 (AD 160447)   | 1H-56               | U            |
|   | 57-2-10             | U            |



| TITLE  | NAVTRA-<br>DEV-CEN | SEC<br>CLASS |
|--|--------------------|--------------|
| Learning; Effect of Repetitive Film Showings on, Nov 49 (ATI 155903)   | 269-7-12           | U            |
| Learning from Films; Relationship of Anxiety to, Apr 51 (AD 640879)  | 269-7-24           | U            |
| Learning from Instructional Films; The Relationship of Optical Effects and Film Literacy to, Nov 52 (AD 10043)   | 269-7-34           | U            |
| Learning of Meaningful Material; The Effects of Knowledge of Test Results on, Sep 52 (AD 10044)  | 269-7-30           | U            |
| Learning of the Perceived Usefulness of the Material to be Learned; The Effects on, Aug 55 (AD 109247)   | 269-7-54           | U            |
| Learning, Retention and Transfer, Feb 71 (AD 724778)   | 68-C-0215-I        | U            |
| Learning, Retention and Transfer, Feb 71 (AD 724790)   | Vol I              | U            |
| Learning, Retention and Transfer in Military Training, Sep 71  | 68-C-0215-I        | U            |
| Learning, Retention and Transfer - A Key Issue in Training Device Research and Development; An Integrated Approach to the Study of, Aug 70 (AD 712096)   | Vol II             | U            |
| Learning Task Difficulty; Biopotential Signals as a Function of, Aug 65 (AD 625130)  | 69-C-0253-I        | U            |
| Learning Theory Principles, Volume I: Guidelines for Training Device Design, Development and Use; Deriving Training Device Implications from, Jul 61 (AD 264364)   | IH-178             | U            |
| Learning Theory Principles, Volume II: Methodology; Deriving Training Device Implications from, Jul 61 (AD 264381)   | IH-34              | U            |
| Learning Theory Principles, Volume III: Specific Learning Principles; Deriving Training Device Implications from, Jul 61 (AD 264568)   | 784-1              | U            |
| Learning when used to Shorten Recorded Film Commentaries; Profile Analysis and its Effect on, Aug 55 (AD 81665)  | 784-2              | U            |
| Legibility of Numerals: The Optimal Ratio of Height to Width of Stroke, Dec 50 (AD 640093)   | 784-3              | U            |
| Light and Image Intensification Techniques, Phase I; Computer Activated Electroluminescent Display Screen: Final Report on Application of, Oct 64 (AD 612278)  | 269-7-55           | U            |
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| Light Flash Generator, Mar 48 (AD 204059)  | 1440-1             | U            |
| Light Flashes; Perceived Brightness of, Aug 64 (AD 609358)   | 1440-2             | U            |
| Lightning Protection for Navy Device 2D2 Site Astor, Florida, May 70 (AD 869851)   | 166-1-47           | U            |
| Listener Accuracy in an Environment of Relevant Conflicting Voice Signals; An Investigation of, Dec 54 (AD 639104)   | IH-16              | U            |
| Listening Accuracy and Concurrent Psycho-motor Activity; The Relationship Between, Oct 55 (AD 109245)  | IH-175             | U            |
| Listening Intelligibility; A Method of Developing a Set of Equated Lists for the Measurement of, Feb 57 (AD 127496)  | 104-2-39           | U            |
| Local Production of Minimum Cost Sound Motion Pictures; A Study of Feasibility of, July 55 (AD 78539)  | 104-2-43           | U            |
| Long Term Skill Retention; Study of (U), Apr 69 (AD 503679)  | 104-2-44           | U            |
| Loudness of Speaking: The Effect of Heard Stimuli on Spoken Responses, Jun 48 (AD 647202)  | 269-7-48           | U            |
| Loudness of Speaking: The Effect of the Intensity of Side-Tone upon the Intensity of the Speaker, Jun 48 (AD 642189)   | 1822-1             | C-4          |
| Low Drift Long Term Integration; Preliminary Report on a Method of, May 50   | 411-1-2            | U            |
| Luminescent Smoke Generation Feasibility Study, May 68 (AD 675503)   | 411-1-4            | U            |
| M-16 Training Cartridge; Ballistic Tests on, Jun 69 (AD 854453)  | 106-12             | C            |
| Machine Dials and Scales, Aug 49 (AD 639866)   | 67-C-0095-1        | U            |
| Magnetic Recording Systems, 1 Mar 1947 to 30 June 1948; Final Report on Activities in Connection with  | IH-165             | U            |
| Main Battle Tank 70 (MBT-70) Training Device Requirements Study (U), Sep 68 (AD 395927L)   | 166-1-86           | U            |
| Maintenance Support System; An Analysis of, Aug 61 (AD 265884)   | 388                | U            |
| Maneuverable Target Positioning Unit, Mar 49 (AD 640061)   | 68-C-0037-1        | C-3          |
| Maneuvering Re-Entry Vehicle; Six Degree-of-Freedom Equations of Motion for, Jun 62 (AD 283911)  | 502-1              | U            |
| Maneuvering Tactics Trainer, Device 1-BZ-2; Utilization Study of, Sep 50 (AD 630030)   | 166-1-73           | U            |
| Man-Machine System; Internal Environmental Simulator for, Sep 63   | 801A               | U            |
| Man-Machine Systems: A Review of the Literature; Information Input and Processing Variables in, Oct 59 (AD 230997)   | 20-A-10            | U            |
| Manual and Standard Methods of Target Indication; Comparison of, Feb 47 (AD 639375)  | 786-2              | U            |
| Manual Rotary Positioning Movements: 1. The Precision of Setting an Indicator Knob to Various Angular Positions; Studies of, Oct 50 (AD 639864)  | 508-1              | U            |
|  | 166-1-9            | U            |
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| TITLE  | NAVTRA-<br>DEV CEN | SEC<br>CLASS |
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| Marine Animal Data Atlas, Mar 68 (AD 835746-L)   | 1212-2             | U            |
| Marine Animal Sounds: First Interim Report, Sep 62   | 7561               | U            |
| Marine Bio-Acoustics, State of the Art: 1964; Review of, Feb 65  | 1212-1             | U            |
| Marine Supply Schools, Camp LeJeune, N.C.; Specific Recommendations for New Training Aids and Devices Developed at, May 52 (AD 642504)   | 383-04-1 Supp      | U            |
| Marine Tactical Data System; Training Situation Analysis Report for, Jul 64 (AD 376639)  | IH-18              | C-3          |
| Mashburn Apparatus, Modified; Evaluation of Difficulty of Task Under Several Different Conditions of Performance on, Aug 49 (AD 639293)  | 57-2-8             | U            |
| Massed vs Spaced Film Presentation; The Relative Effectiveness of, Jun 49  | 269-7-3            | U            |
| Measurements, High Sensitivity and Wide Range; Preliminary Report on a Method for, Jun 49  | 106-6              | C            |
| Mechanical Stimulation; Discrimination of Small Differences in the Time of, Mar 49   | 166-1-87           | U            |
| Men and Machines, (AD 639366)  | 166-1-19           | U            |
| Mental Hygiene Films on Normal and Abnormal Individuals; Effect of, May 55 (AD 90594)  | 269-7-46           | U            |
| Mental Hygiene Films on Self-Regarding Attitudes; The Effects of, Jul 51 (AD 640884)   | 269-7-22           | U            |
| Mental Tasks, Three; The Effect of Various Noise Levels on Performance of, Dec 50 (AD 639089)  | 104-2-21           | U            |
| Message Type and Vocal Rate and Intensity; Relation between (AD 642508)  | 411-1-13           | U            |
| Migraine III Type Submarine; Layout, Communication and Seating in the Air Control Center of, Feb 52, (Originally C-4) (AD 643117)  | 641-2-14           | U            |
| Military Manuals; Development of a Prototype Specification for the Preparation of, Aug 66 (AD 642322)  | 1638-2             | U            |
| Military Training Problems: A Working Paper; A Task Classification Approach to, June 70 (AD 713888)  | IH-169             | U            |
| MK 18 Coordination Trainer, Device 3-A-40; Interim Report on Learning Studies with, May 46 (AD 639035)   | 58-1-1             | U            |
| MK 18 Coordination Trainer, Device 3-A-40; Report of Recommendations for, Oct 46 (AD 639037)   | 58-1-4             | U            |
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| Model Ocean Wave and Current Generator (Final Report), May 67 (AD 824425)  | 1860-1             | U            |
| Modified Mashburn Apparatus: I. The Effects of Varying the Amount of Original Learning; Facilitation and Interference in Performance on, Apr 50 (AD 643406)                        | 938-1-1            | U            |
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| Modifying Attitudes: A Study of the Applications of Films for Influencing the Acceptability of Foods; The Relative Effectiveness of Several Film Variables in, June 56 (AD 105928) | 269-7-60           | U            |
| Monaural and Binaural Auditory Discrimination in Noise; An Investigation of, Feb 57 (AD 125185)  | 104-2-49           | U            |
| Monaural vs Binaural Listening in Various Levels of Noise; The Relative Efficiency of, Apr 55 (AD 109246)  | 104-2-40           | U            |
| Mooring and Docking Maneuvers of a Destroyer and a Surfaced Submarine; Equations of Motion for, Nov 66   | 1423-1             | U            |
| Morse Code, Teaching; A Comparison of Two Methods of, Jan 60 (AD 641320)   | 294-2              | U            |
| Motion Pictures to Simulate Reality (The Thematic Apperception Test); Evaluation of, Sep 55 (AD 81026)   | 269-7-47           | U            |
| Motivation in Training: A Study of Incentives, Jan 72  | TN-10              | U            |
| Motor Skill as a Function of Variation in Rate of Response; Transfer of Training to, Aug 49 (AD 641586)  | 316-1-10           | U            |
| Motor Skill from Practice on a Pictured Representation; Transfer to, Jun 48 (AD 641584)  | 316-1-4            | U            |
| Motor Skills: Phase I; Psychological Study of, Jul 60 (AD 243372)  | 558-1              | U            |
| Motor Skills; Phase II; Psychological Study of, Nov 61 (AD 281343)   | 558-2              | U            |
| Motor Skill; Transfer of Training from Practice on Components in, Dec 47 (AD 641581)   | 316-1-2            | U            |
| Motor Task in Relation to Stimulus Similarity; Transfer of Training to, Aug 49 (AD 641587)   | 316-1-8            | U            |
| Motor Task; Transfer of Discrimination to, Jul 68 (AD 641583)  | 316-1-6            | U            |
| Motor Task with Varying Display-Control Relationships; A Study of Transfer in, Apr 48 (AD 641580)  | 316-1-3            | U            |
| Moving Figure and Orientation of Symbols on Pictorial Aircraft Instrument Displays for Navigation; Study of, Jul 60 (AD 657470)  | 71-16-6            | U            |
| Multiple Trainee Station Air Navigation Trainer; Design Study Report for, Jan 69 (AD 856444)   | 68-C-0308-1        | U            |
| Muscle Action Potentials; Prediction of Speed of Performance by, Apr 47 (AD 629759)  | 58-2-4             | U            |

| TITLE  | NAVTRA-<br>DEVCE | SEC<br>CLASS |
|--|------------------|--------------|
| Music in Motion Pictures: Review of Literature with Implications for Instructional Films, May 49 (AT 70740)  | 269-7-2          | U            |
| NATOPS Flight Manuals; Development of a Military Specifications for, Apr 69 (AD 859345)  | 67-C-0165-1      | U            |
| NATOPS Flight Manuals; Military Specification for, Apr 69 (AD 857295)  | 67-C-0165-2      | U            |
| Natural and Treated Fuel-Oil Fires; Analysis of Stack Gases for, June 70 (AD 881530)   | 69-C-0181-1      | U            |
| Natural Pilot Flight Proficiency Evaluation Model; Experimental Study, Apr 63 (AD 414666)  | 323-2            | U            |
| Natural Pilot Model for Flight Proficiency Evaluation, Apr 63 (AD 410805)  | 323-1            | U            |
| Naval Air Basic Training Command, Project 20-E-6; Amplifying the Instructor Training Program in, Jun 48 (AD 641597)  | 383-1-2          | U            |
| Naval Air Basic Training: Fixed Gunnery Phase; Studies of, Jul 52 (AD 660229)  | 383-5-3          | U            |
| Naval Air Reserve Training, Phase I: Survey of Problems; Human Engineering Study of, Mar 53 (AD 22812)   | 895-00-1         | U            |
| Naval Aviation Students: Analysis of the Problem and Recommendations, Project 20-E-6; Study Skills of Jun 48 (AD 641594)   | 383-1-4          | U            |
| Naval Training Devices, Part II: A Study of Device 2F66A (S-2E Trainer) Effectiveness; Training Effectiveness Evaluation of, Jul 71 (AD 732795)  | 69-C-0322-2      | U            |
| NAVTRADEVCE 330-1, Design for Maintainability; An Experimental Investigation of Equipment Packaging for Ease of Maintenance to, Apr 60 (AD 241571)   | 330-1-1          | U            |
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| NAVTRADEVCE 330-1 Design for Maintainability; Survey Information: (A) Description of the Training Device Technician (B) Engineer's Estimates of Circuits and System Maintainability to, Apr 60 (AD 242571) | 330-1-2 Supp II  | U            |
| Navy Avionics Manuals; Analysis and Evaluation of, Dec 70 (AD 880414)  | 69-C-0301-1      | U            |
| Navy Recognition Training, Jul 52 (AD 641879)  | 383-6-2          | U            |
| Night Vision and Oxygen Training Programs; Recommended Training Aids for, Aug 53 (AD 128827)   | 797-01-1         | U            |
| Noise, High Level and Accuracy, Listener; The Relation Between Duration of Exposure to, Dec 54 (AD 639103)   | 104-2-38         | U            |
| Non-Flight Trainer Device; Evaluation and Utilization Studies of, Feb 54 (AD 646708)   | 1046-00-1        | U            |
| Normal and Abnormal Color Vision; Simultaneous Chromatic Contrast in, (AD 639688)  | 166-1-90         | U            |
| Nuclear Power Plant Simulator for the U.S. Naval Post Graduate School, Monterey, Calif; Report of Conclusions Arrived at from a Feasibility Study for, Sep 59  | 3134-1           | U            |
| Nuclear Training Devices; NAVTRADEVCE Participation in, May 70   | IH-176           | U            |
| Number and Texture-Density; The Speed and Accuracy of Discrimination Differences in, Jul 52 (AD 140735)  | 131-1-3          | U            |
| Numerals for Use in Counter-type Instruments: A Review of the Literature; Design of Dec 47 (AD 639365)   | 166-1-39         | U            |
| Objective Tests and Concomitant Self-Instructions; Development and Appraisal of Devices Providing Immediate Automatic Scoring of, Feb 50 (AD 639033)   | 17-1-1           | U            |
| Oceanographic and Geophysical Space-Sensor; Study, Simulation of, Jan 68 (AD 838041L)  | 66-C-0031-1      | U            |
| Oceanographic and Hydrographic System for Training, May 66 (AD 649815)   | 1494-1           | U            |
| Oceanographic Thermal Gradient Display Study, Sep 65 (AD 669488)   | 1519-1           | U            |
| OFT; Digital, Dec 53   | 54-25            | U            |
| OFT: Human Engineering Considerations in the Design of the Instructor's Station of Trailerized, Aug 53 (AD 116027)   | 1042-00-1        | U            |
| OFT in Aviation Safety, Jul 62 (AD 287905)   | 520-1            | U            |
| OFT Performance; Objective Scoring Procedure for, Feb 56 (AD 110925)   | 999-2-4          | U            |
| OFT: Psychological Studies of Advance Naval Air Training; Evaluation of, Sep 50 (AD 643499)  | 999-1-1          | U            |
| OFT, Study 24-F-3; Universal Digital. (Final Report 1958-1959)   | 60-11            | U            |
| OFT, Survey of Utilization of; Fleet Type, Mar 54 (AD 133265)  | 999-2-2          | U            |
| OFT, Universal Digital, Aug 57   | 58-04            | U            |
| OFT; Universal Digital, Oct 58   | 58-27            | U            |
| OFT, Universal Digital; The F9F-2 Program for, Aug 57  | 58-02            | U            |
| OFT; Use of May 57 (AD 643498)   | 1734-00-1        | U            |
| One-Trial Learning and Quantum Psychophysics: A Synthesis, Jun 64 (AD 602516)  | IH-7             | U            |
| Operational Research in the Naval Air Training Command - Final Report; Project 20-E-6; A Summary of, Jun 49 (AD 641589)  | 383-1-13         | U            |
| Operator Performance; Effect of Controlled Interference upon, Mar 52 (Originally SI) (AD 5391)   | 641-2-17         | C-3<br>SI    |
| Operator Training; Human Factors Technology in the Design of Simulators for, Dec 63 (AD 432088)  | 11031-1          | U            |
| Optical and Photographic Systems; Resolution Criteria for, Oct 67 (AD 660680)  | IH-137           | U            |

| TITLE  | NAVTRA-<br>DEV CEN | SEC<br>CLASS |
|--|--------------------|--------------|
| Oral Transmission of Target Information Accuracy of, Dec 46 (AD 639380)  | 166-1-5            | U            |
| Organizational Outlines in Instructional Films; Effects on Learning of the Prominence of Oct 52 (AD 10046)   | 269-7-33           | U            |
| Organization and Leadership Behavior; Perceptions of   | 17-3               | U            |
| Oscillator, Magnetically Damped Mechanical; Preliminary Report on a, Jan 49  | 106-4              | C            |
| Panel Design; Human Factors in (AD 657547)   | 166-1-99           | U            |
| Part and Whole Training Methods: A Review of the Literature; Parameters Affecting the Relative Efficiency of, Feb 62 (AD 275921)                           | 950-1              | U            |
| Partial-Panel Control Skills; Training for, Nov 62 (AD 297378)   | 836-2              | U            |
| Perception and Short Term Memory Under Work Load Stress, Jun 64 (AD 604866)  | 1303-2             | U            |
| Perception of Distortion: An Experimental Study of Distance and Perspective in the Ames Trapezoid Illusion, Jun 64 (AD 607740)                             | 1215-1             | U            |
| Perception of Distortion I. An Experimental Approach to Illusion, Oct 62 (AD 292120)   | 506-1              | U            |
| Perceptual-Motor Skills; Scheduling of Training Conditions for the Acquisition and Transfer of, Dec 61 (AD 419362)   | 836-1              | U            |
| Perceptual-Motor Skill Training; Daylight Projection of Film Loops as the Teaching Medium in, May 52 (AD 640874)   | 269-7-26           | U            |
| Perceptual-Motor Task; Effects of a Stereoscopic Sound Motion Picture on the Learning of a, Sep 52 (AD 10045)  | 269-7-32           | U            |
| Perceptually Similar Visual Environment Study, Final Report, Dec 70 (AD 881976)  | 69-C-0188-1        | U            |
| Perceptual Vertigo: A Dimensional Study, Mar 64 (AD 625525)  | 1H-11              | U            |
| Performance Decrement: Activation, Inhibition and Warm-up; Factors in Recovery from, Sep 67 (AD 657896)  | 1H-72              | U            |
| Periscope; Flight by (AD 639032)   | 71-16-9            | U            |
| Personal Hygiene; Training Film Evaluation: Comparison between two Films on, Oct 53 (AD 73887)   | 269-7-50           | U            |
| Personality Characteristics of Forty-Eight Above-the-Knee Amputees (AD 641317)   | 279-1-11           | U            |
| Phase A: A Review of Methods Project 6-BA, Dec 48 (AD 660000)  | 37003              | U            |
| Phase B: Field Survey Project 6-BA, Apr 49 (AD 660005)   | 37003-1            | U            |
| Phase C: Experimental Study Project 6-BA, May 49 (AD 660024)   | 37003-3            | U            |
| Photoelectric Transducer; Preliminary Report on the Linear, Jun 49   | 106-7              | C            |
| Physical Skills; Comparison on Mental Practice and Physical Practice in the Learning of, Jun 52 (AD 640878)  | 269-7-27           | U            |
| Physiological Data: Methodology and Apparatus; Collection and Analysis Procedures for, May 65 (AD 619284)  | 1444-1             | U            |
| Pictorial Tests and their Interaction with Audio-Visual: The Validity of, Aug 55 (AD 96928)  | 269-7-49           | U            |
| Pictures and Sound for Teaching Foreign Language Vocabulary; Exploratory Studies in the use of, Aug 55 (AD 78537)  | 269-7-53           | U            |
| Pilot Candidate Selection Research Program: The Special Devices used in the Pensacola, Feb 48 (AD 639055)  | 151-1-10           | U            |
| Piloting Skills, improving in Turbulent Air Using a Self-Adaptive Technique for a Digital OFT, Aug 68 (AD 675805)  | 67-C-0034-2        | U            |
| Pilot Performance and Degree of Simulation: An Experimental Program for Relating Transfer of Training of, Jun 65 (AD 471806)                               | 1388-1             | U            |
| Pilot Performance, Transfer of Training and Degree of Simulation I, Variations in Program Cycle Time and Aerodynamic Equations, Dec 65 (AD 646023)         | 1388-2             | U            |
| Pilot Proficiency; Study, Assessment of, Aug 66 (AD 637659)  | 1614-1             | U            |
| Pilots, Non-Jet Experienced Versus Simulation Fidelity: Pilot Performance, Transfer of Training and Degree of Simulation III, Aug 68 (AD 675803)           | 67-C-0034-1        | U            |
| Pilot's Visual World; Investigation of Required Television Parameters for Simulation of, Dec 69 (AD 864382)  | 68-C-0153-1        | U            |
| Pinhole TV Camera; The Analysis and Engineering Design of, Jun 70 (AD 723182)  | 1H-145             | U            |
| Pip Range Determination by the VF Remote Radar Indicator; Comparison of the Center vs Leading Edge of the Target in, Jul 47 (AD 639383)                    | 166-1-25           | U            |
| Pip Scans and Target-Detectability on Certain High Persistence PPI Tubes; Number of, Jan 47 (AD 639374)  | 166-1-7            | U            |
| Pitch and Intensity, Mar 51 (AD 662691)  | 166-1-112          | U            |
| Pitch and Loudness Functions; Effect of Psychophysical Method and Context on (AD 640089)   | 166-1-100          | U            |
| Pitch Discrimination; Practice Effects, Knowledge of Results and Transfer in, Apr 66 (AD 634221)   | 1H-52              | U            |
| Plane Geometric Figures; Horizontal-Vertical Illusion in, Oct 51 (AD 657369)   | 166-1-144          | U            |
| Planes of Rotation of Control Cranks on Performance Levels and Transfer Effects in Compensatory and Following Tracking; The Effects of, Aug 55 (AD 109354) | 241-6-22           | U            |
| Plan Position Indicator Presenting Simulated Bearing, Range and Height Information; Appraisal of an Experimental, Dec 47 (AD 639287)                       | 166-1-37           | U            |
| Point Light Projection; Investigation of the Imagining and Luminance Characteristics Associated with, Oct 65 (AD 635772)                                   | 1H-44              | U            |

| TITLE  | NAVTRA-<br>DEV-CEN | SEC<br>CLASS |
|--|--------------------|--------------|
| Point Light Source Projection System Components; Study of, Mar 59 (AD 233882)  | 1628-1             | U            |
| Point Light Source Techniques; The Development, Application, and Study of (Final Engineering, Operation, and Maintenance Report), Sep 63 | 1628-16            | U            |
| Point Light Source Techniques to a Breakout Landing Attachment for a Twin-Engine Instrument Trainer; The Application of, Mar 59          | 1628-2             | U            |
| Point Light Source Visual Displays; Methods of Presenting Moving Objects in, Jun 59 (AD 233912)  | 1628-5             | U            |
| Point Source Projection Techniques to Air-to-Surface Attack Training; The Application of, Jun 59 (AD 235074)                             | 1628-7             | U            |
| Point Source Projection Techniques to Air-to-Surface Observation Training; The Application of, Jun 59 (AD 233913)                        | 1628-8             | U            |
| Point Source Projection Techniques to Ground Operation Training; The Application of, Jun 59 (AD 233915)                                  | 1628-10            | U            |
| Point Source Projection Techniques to Helicopter Low Altitude Navigation Training; The Application of, Mar 59 (AD 235880)                | 1628-3             | U            |
| Point Source Projection Techniques to Low Altitude-High Speed Navigation Training; The Application of, Apr 59 (AD 235881)                | 1628-4             | U            |
| Point Source Projection Techniques to Surface Vessel Operation Training; The Application of, Jun 59                                      | 1628-9             | U            |
| Point Source Projector Techniques to Air-to-Air Gunnery Training; The Application of, Mar 59 (AD 235882)                                 | 1628-6             | U            |
| Polarization, Crystal Optics, and Electro-Optic Phenomena; Review of, June 70 (AD 880732)  | TN-13              | U            |
| Polyethylene Silhouette Target Utilization (Device 3H23E-Type), Dec 71   | IH-188             | U            |
| Pop-Up Devices M31A1 and 3C52; Three-Dimensional Targets for, May 69 (AD 853872)   | 66-C-0077-1        | U            |
| Positioning Reactions as a Function of Direction and Extent; The Accuracy of, Oct 47 (AD 639281)   | 57-2-1             | U            |
| PO-2W; The ECM Station of, Jan 52 (AD 377646)  | 279-3-3            | U            |
| Prediction on Training with a Simulated Orbital Docking Task; Role of, Jun 66 (AD 636848)  | 1767               | U            |
| Pre-Flight Grades, Project 20-E-6; Supplementary Report on Project on, Apr 49 (AD 641592)  | 383-1-10           | U            |
| Pre-Flight, Project 20-E-6; Academic Grades of Students in the Naval School of, Aug 48 (AD 641588)                                       | 383-1-6            | U            |
| Presenting Information to Selected Sense Modalities; Relative Effectiveness of, Jun 60 (AD 251450)                                       | 512-1              | U            |
| Pressure Chambers; Bio-Instrumentation for Control of, Dec 64  | 1182-5-E1          | U            |
| Pressure Chambers; Bio-Instrumentation for Control of, Aug 64 (AD 607741)  | 1182-5             |              |
| Primary Flight Training; Their Training and Selecting Value; Special Devices in, Aug 49 (AT 164943)                                      | 151-1-18           | U            |
| Principles Training and Specific Training using Several Types of Training Devices, A Comparison of, Jul 55 (AD 91944)                    | 269-7-102          | U            |
| Procedures and Training Aids; Followup Study of; Recommended, Jul 56 (AD 642590)   | 495-01-4.5         | U            |
| Profile Techniques for Training Aid Evaluation; Application of, Jan 59 (AD 212519)   | Append V           |              |
| Programmed Instruction; The Investigation of Step Size and Error Rate in, Jul 64 (AD 615452)   | 602-11-1           | U            |
| Projection Screens; Physical and Optical Properties of, Dec 66 (AD 647132)   | 1208-1             | U            |
| Project Therblig; Summary Report, Jul 54 (AD 58443) (Originally was Secret)  | IH-63              | U            |
| Project 20-L-2, Psychophysical Research Summary Report, 1946-1-52, Jan 53 (AD 639496)  | 954-00-25          | C-4          |
| Prosthetic Devices for Above-the-Knee Amputees; Problems in the Fitting and Servicing of (AD 641319)                                     | 131-1-5            | U            |
| Prosthetic Devices; Investigations with Respect to the Design, Construction, and Evaluation of (AD 641319)                               | 279-1-12           | U            |
| Prosthetic Devices; Investigations with Respect to the Design, Construction, and Evaluation of (AD 641319)                               | 279-1-10, Vol I    | U            |
| Psychological Research; Control Central a Radar Simulator for, Mar 50 (AD 660010)  | 279-1-10, Vol II   | U            |
| Psychology; Strategies of Research Design in, Aug 67 (AD 660679)   | 166-1-104          | U            |
| Psychomotor Performance; Evidence of Associative Interference in, Sep 49 (AD 639256)   | IH-129             | U            |
| Psychomotor Performance; Problem of Controlling Level of Learning in Studies of Associative Interference, Aug 49 (AD 639294)             | 57-2-11            | U            |
| Psychomotor Performance: I. The Modified Mashburn Apparatus; Devices for Studying Associative Interference in, Aug 49 (AD 639294)        | 57-2-9             | U            |
|  | 57-2-7             | U            |

| TITLE   | NAVTRA-<br>DEV CEN    | SEC<br>CLASS |
|---|-----------------------|--------------|
| Psychomotor Performance: II. The Modified Two-Hand Coordinator; Devices for Studying Associative Interference in, Aug 49 (AD 639361)                          | 57-2-12               | U            |
| Psychomotor Performance: III. The Double-Disk Pursuit Apparatus; Devices for Studying Interference in, Sep 49 (AD 639304)                                     | 57-2-13               | U            |
| Psychomotor Performance: IV. The Turret Pursuit Apparatus; Devices for Studying Associative Interference in, Nov 49 (AD 639305)                               | 57-2-14               | U            |
| Public Address Equipment, Military; A Study of the Intelligibility Characteristics of Seven Items of, Jun 51 (AD 639094)                                      | 104-2-24              | U            |
| Pupil Size as Determined by Adapting Luminance (AD 659691)  | 166-1-124             | U            |
| Pursuit-Rotor and Paired-Associate Learning; Transfer as a Function of Task Difficulty in, Oct 70 (AD 714841)   | IH-172                | U            |
| Pursuit Rotor Performance; Study of Warmup Decrement in (AD 643410)   | 938-1-5               | U            |
| Questionnaire Study of 69 Limb Makes and Limb Fitters; Report of, Oct 48 (AD 641316)  | 279-1-09              | U            |
| Radar Land Mass Simulation; Final Report: Investigation of Digital Techniques for, Mar 64 (AD 600240)   | 1025-3                | U            |
| Radar Land Mass Simulation; Investigation of Computer Techniques for, Nov 60 (AD 259993)  | 790                   | U            |
| Radar Land Mass Simulation; Investigation of Computer Techniques for, Feb 66 (AD 631592)  | 1526-1                | U            |
| Radar Land Mass Simulation; Investigation of Digital Techniques for, Feb 62 (AD 276696)   | 1025-1                | U            |
| Radar Land Mass Simulation; Investigation of Digital Techniques for, Aug 63 (AD 424625)   | 1025-2                | U            |
| Radar Land Mass Simulator Experimental Model; Final Engineering Report for, Oct 61  | 115-1                 | U            |
| Radar Land Mass Simulator System; All Altitude Capability Study for, Dec 61 (AD 602516)   | IH-2                  | U            |
| Radar Operation Training Problems; Survey of, Jul 57 (AD 142674)  | 1915-00-3             | C-3          |
| Radar Scopes; Visibility on, Feb 49 (AD 493403)   | 166-1-82              | U            |
| Radar Signals on a Plan Position Indicator; Signal Mark Size and Visibility of, Sep 47 (AD 639367)  | 166-1-30              | U            |
| Radar Training Requirements; Analysis of, Aug 65 (AD 472414)  | 1345-1                | U            |
| Radar Vectoring; Human Performance in, Mar 55 (AD 90614)  | 71-16-14              | U            |
| Range and Bearing Reports from Two VF Radar Repeaters Tracking the Same Target Simultaneously with the B-Scope; Agreement in, Feb 47 (AD 639295)              | 166-1-12              | U            |
| Range Estimation on a PPI with Respect to the Distance of the Target from Range Rings; Accuracy of, Nov 47 (AD 639385)  | 166-1-29              | U            |
| Range Rings; Effects of Size and Brightness on the Speed of Identifying Number of, Jan 49 (AD 657622)   | 166-1-79              | U            |
| Range Rings on Polar Coordinate Displays; Some Design Factors Affecting the Speed of Identification, Aug 49 (AD 50619)  | 166-1-95              | U            |
| Ranking in Film Research and the Statistical Analysis of Ranks; Application of, Sep 55 (AD 81664)   | 269-7-59              | U            |
| Rate of Speaking: I. Relationship between Original and Repeated Phrases, May 48 (AD 657943)   | 411-1-1               | U            |
| Rates of Speaking: Reports II-III (Responses to Heard Stimuli), Jun 48  | 411-1-3               | U            |
| Rate: Revised Concept of, Sep 49 (AD 639086)  | 104-2-16              | U            |
| Rater; Green Light, Dec 58 (AD 212031)  | 20-OS-3-1             | U            |
| Reaction Time; The Effect of Ambient and Body Temperatures upon, Mar 48 (AD 657481)   | 151-1-13              | U            |
| Reading Assessor; Interim Progress Report Research and Development of (AD 639046)   | 58-3-1                | U            |
| Reading Assessor, The Alertness Indicator; Application of Electro-Physiological Technique to Human Perfecting, Apr 50 (AD 639045)                             | 58-2-11               | U            |
| Real Time Simulation; Analog-Digital Computers for, Feb 62 (AD 275649)  | 594-1                 | U            |
| Rear-Projected Film; The Effects and Interactions of Rate of Development, Repetition, Participation and Room Illumination on Learning from, Oct 53 (AD 47611) | 269-7-39              | U            |
| Rear Projection Daylight Screen; Optimum Physical Viewing Conditions for, Oct 53 (AD 47609)   | 269-7-37              | U            |
| Rehearsal on Short-Term Recall; The Effect of Various Modes of, Jun 64 (AD 605387)  | 1303-1                | U            |
| Relative Motion Problems: Simultaneous vs Successive Presentation of, Aug 60 (AD 248419)  | 348-2                 | U            |
| Relative Motion Training (A Preliminary Analysis), Sep 58 (AD 205680)   | 20RM-1-1M             | U            |
| Relative Motion II: The Nature of Relative Motion Situations, Nov 59 (AD 238775)  | 316-1                 | U            |
| Relative Motion III: Some Relative Motion Problems in Aviation, Jan 61 (AD 256346)  | 316-2                 | U            |
| Reminiscence; Arousal as a Factor in, Mar 67 (AD 651854)  | IH-67                 | U            |
| Repeated Messages; Inflection of (AD 657422)  | 411-1-12              | U            |
| Repetition of Films; Effectiveness of Several Methods of, Mar 55 (AD 90593)   | 269-7-45              | U            |
| Requirements, Training for Individual Weapons; Army Marksmanship and Gunnery Training, Jun 52 (AD 642391)   | 494-01-1              | U            |
| Research Findings to Training Film Production; An Application of, May 55 (AD 90591)   | 269-7-44              | U            |
| Research Tool Digital Computer System Math Model Report; Software Documentation for, Jun 68 (AD 891483L)  | 67-C-0196-7<br>Vol I  | U            |
| Research Tool Digital Computer System Program Report; Software Documentation for, Jan 70 (AD 891391L)   | 67-C-0196-7<br>Vol II | U            |
| Retroactive Facilitation and Interference in Performance on the Modified Two-Hand Coordinator, Dec 51 (AD 639362)   | 166-00-2              | U            |



| TITLE  | NAVTRA-<br>DEV-CEN | SEC<br>CLASS |
|--|--------------------|--------------|
| Retroactive Facilitation and Interference; Simultaneous Functioning of, Jul 52 (AD 128719)   | 166-00-3           | U            |
| Retroactive Interference in Pursuit Rotor Learning; Demonstration of, Dec 51 (AD 639306)   | 166-00-1           | U            |
| Rifle Marksmanship Training; Experiments in, Jun 53 (AD 222892)  | 494-01-2           | U            |
| Rifle Marksmanship Training; Experimental Evidence for; Improvements Needed in, Jun 53 (AD 222931)   | 494-01-3           | U            |
| Rochester Generalized Tracking Apparatus, Sep 56 (AD 113742)   | 668-9-1            | U            |
| Rotary Performance; Factors Influencing (AD 639393)  | 166-1-50           | U            |
| Rotary Pursuit Tasks; Further Attempts to Demonstrate Interference in the Performance of, Jun 50 (AD 643656)   | 938-1-3            | U            |
| Rotating Sweep; Illusory, Jul 48 (AD 639391)   | 166-1-40           | U            |
| Rotation-Indicating Visual Displays as a Function of Confidence in the Displays; Obedience to, Jun 49 (AD 657472)  | 71-16-2            | U            |
| Rough Air Simulation; Fidelity of Simulation in Operation of Flight Trainers, Part I, Effectiveness of, Jan 54 (AD 140998)   | 999-2-3A           | U            |
| Scale Markers as a Function of the Number Assigned to the Scale Interval; Accuracy of Visual Interpolation Between, Jul 50 (AD 640094)   | 166-1-107          | U            |
| Scale Numbering on Scale-Reading Accuracy and Speed; Effect of, Sep 50 (AD 54322)  | 166-1-115          | U            |
| Scale Reading Accuracy; Effect of Presenting Various Numbers of Discrete Steps on, Aug 51 (ATI 165423)   | 166-1-128          | U            |
| Scoring Trainee Performance on Device I-BZ-2, Oct 54 (AD 646774)   | 1051-00-1          | U            |
| Selected Ground Training Devices to the Aircraft; Transfer of Training in Flight, Procedures from, Sep 57 (AD 149547)  | 71-16-16           | U            |
| Selection and Utilization of Training Aids and Devices; Affective and Acceptance Factors in, Nov 58 (AD 214729)  | 9-11-1             | U            |
| Sensorimotor Skill Training; Explorations in the Automation of, May 65 (AD 619046)   | 1517-1             | U            |
| Sensory Interaction and Response Capacity, Jun 59 (AD 225517)  | 789-11-1           | U            |
| Setting Control Knobs as a Function of Directions of Final Movement and Number of Settings; Accuracy of, Aug 55 (AD 109237)  | 241-6-15           | U            |
| SG-1b (MOD 50) Radar; Target Indication from the PPL of, Sep 47 (AD 62804)   | 166-1-24           | U            |
| SB-1b (MOD 50) Radar; The Accuracy of, Jun 47 (AD 821792)  | 166-1-15           | U            |
| Shaping Performance Curves; Prior Learning as a Factor in, Jul 50 (AD 643409)  | 938-1-4            | U            |
| Shipboard Simulation Equipment (X19A Series) Human Engineering Assistance for, Sep 59 (AD 314013)  | 381-1              | C-3          |
| Shipboard Systems Studies, Apr 49 (AD 646615)  | 641-3-2            | U            |
| Shipboard Systems Studies, Apr 49 (Originally C-4) (AD 820545)   | 641-3-1            | U            |
| Short Range Navigation; Comparison of the Omni Bearing Indicator and the Radio Indicator in, Mar 55 (AD 112279)  | 71-16-13           | U            |
| Short Tones as a Function of Repetition Rates; Auditory Threshold of, May 47 (AD 639682)   | 166-1-13           | U            |
| Short Tones; Loudness and Loudness Matching of (AD 640086)   | 166-1-88           | U            |
| Short Tones, Repeated; Loudness of, Feb 48 (AD 657527)   | 166-1-43           | U            |
| Short Tones: I. Two Kinds of Pitch Threshold; Pitch Characteristics of, May 47 (AD 639681)   | 166-1-14           | U            |
| Short Tones: II. Pitch as a Function of Tonal Duration; Pitch Characteristics of, Aug 48 (AD 657521)   | 166-1-48           | U            |
| Sight Reticle Displacement Study; Final Report, Aug 63   | 1298-1             | U            |
| Simulated Shipboard Communications System Standardization; Study of, Feb 69 (AD 849367)  | 68-C-0013-1        | U            |
| Simulating Assault Boat Motion; Development of Equations for, Sep 69 (AD 712774)   | 68-C-0152-2        | U            |
| Simulation; Display Techniques for, Feb 71 (AD 881072)   | 70-C-0025-1        | U            |
| Simulation System, Programming Design Manual, Dec 63 (AD 439418)   | 10891              | U            |
| Simulator, Serial Digital with Serial Memory; Design of  | 54-06              | U            |
| Simulator, Weapon, Firing and Ranging (Laser) System, Mar 65 (AD 619164)   | 1311-1             | U            |
| Sixty-Inch Vertical Plotting Boards; Appraisal of Development Models of, Jan 49 (AD 640076)  | 166-1-80           | U            |
| Small Arms Noise Simulators; Fuels for, Feb 66 (AD 630278)   | 1491-2             | U            |
| Small Arms; Prototype Instinctive Firing Training Device for, Apr 70 (AD 873014)   | IH-179             | U            |
| Small Arms Targets for Trainee Mechanisms; Investigation into Materials and Designs of, Mar 68 (AD 671843)   | IH-78              | U            |
| Small Time Intervals between a Visual and an Auditory Signal; Discrimination of, Jan 49 (AD 657623)  | 166-1-60           | U            |
| SNJ OFT: Evaluation of, Mar 54 (AD 86988)  | 999-2-1            | U            |
| SNJ OFT, Fidelity of Simulation in OFT Part II, The Effect of Variations in; Control Loadings on the Training Value of, Jan 54 (AD 204917)   | 999-2-3B           | U            |
| Solid State Image Intensifiers Phase II: Development of an Internal Trainer Optical System Image Intensifiers, Final Report on a Broad Continuing Program for the Application of Light and Image, Nov 63 | 56201              | U            |



| TITLE  | NAVTRA-<br>DEV CEN | SEC<br>CLASS |
|--|--------------------|--------------|
| Sonar Operator Performance; Trainable Factors in, Mar 59 (AD 313496)   | 306-1              | U            |
| Sonar Operator Trainers; A Study of Simulation Requirements for, Mar 64 (AD 603329)  | 1320-1             | U            |
| Sonar Operator Training: A Review of the Literature, Jul 57 (AD 141959)  | 322-1-1            | U            |
| Sonar Recognition Training: An Investigation of Whole VS Part and Analytic VS Synthetic Procedures, Dec 71 (AD 737659)   | 67-C-0105-1        | U            |
| Sound Films; The Effects of Prestige and Identification Factors on Attitude Restructuring and Learning from, Mar 50 (AD 640881)  | 269-7-10           | U            |
| Sound Motion Pictures for Military Training; Logistics of, Sep 52 (AD 7029)  | 269-7-31           | U            |
| Sound Motion Pictures for Recording Billet; Analysis Information; The Application of, Mar 54 (AD 63935)  | 269-7-41           | U            |
| Sound Motion Pictures; Practical Principles Governing the Production and Utilization of, Aug 50 (AD 657459)  | 269-7              | U            |
| Sound on Transparency; Study of Incorporation of, Nov 62 (AD 297812)   | 1084-1             | U            |
| Sounds: An Application of a Computer as a Teaching Machine; Learning to Identify Nonverbal, Apr 62 (AD 277188)   | 789-1              | U            |
| Span of Attention; Reaction Time as a Measure of (AD 657518)   | 166-1-31           | U            |
| Sparrow Guided Missile System in Fighter Aircraft; Human Engineering Aspects of the Utilization of, Nov 50 (ATI 208279)  | 166-1-123          | U            |
| Speaking and Listening Abilities: A Study of the Effects of Stress on, Feb 57 (AD 639107)  | 104-2-50           | U            |
| Speaking Rate, Duration and Intensity; Effect of Level of Distracting Noise upon, Jun 49 (AD 656630)   | 104-2-14           | U            |
| Speech Feedback, Delayed: Relationships Between Certain Aspects of Personality and Some Vocal Effects of, Oct 54 (AD 221573)   | 104-2-37           | U            |
| Speech Feedback; Some Vocal Effects of Different Reading Passages and Time Delays in, Mar 54 (AD 42981)  | 104-2-32           | U            |
| Speech Intelligibility Related to Motor Activity in High Level Noise, Nov 53 (AD 45502)  | 104-2-27           | U            |
| Speech Intensity Demonstrator; Purdue, Apr 48 (AD 638353)  | 104-2-6            | U            |
| Speech Reception Testing; Studies in, Jun 51 (AD 639090)   | 104-2-23           | U            |
| Speech: Some Effects of the Common Cold upon, Aug 49 (AD 657945)   | 411-1-8            | U            |
| Speech Sound Timer; Purdue, Apr 48 (AD 657468)   | 104-2-7            | U            |
| Split Function Generation Study, Final Report, May 67 (AD 655107)  | 1823-1             | U            |
| Square Pulse Electronic Stimulator, Jun 49 (AD 647140)   | 166-1-94           | U            |
| SSK Conversion; Arrangement of Equipment on, Apr 50 (Originally C-4) (AD 643153)   | 641-2-5            | U            |
| SS 563/564; Illumination in the Attack Center and Periscope Area of, Aug 49 (AD 643828)  | 641-2-2            | U            |
| Stability Instrumentation; Preliminary Report on   | 106-1              | U            |
| Standard Mashburn Task Arising from Different Levels of Learning on the Reversed Task; Losses of Skill in Performing, Aug 50 (AD 643405)   | 938-1-9            | U            |
| Stereo Input; Study, MTMS, Jan 64  | 1-59-1             | U            |
| Stress; Selected Abstracts from the Literature on, Nov 60 (AD 253068)  | 565-1              | U            |
| Subjective Brightness; Scale of, Aug 48 (AD 640081)  | 166-1-51           | U            |
| Submarine Casualty Control Training; Study of, Mar 66 (AD 486430)  | 1813-1             | U            |
| Submarine Communication System; Human Factors in the Design of, Jun 50 (Originally C-4) (AD 643154)  | 641-1-8            | U            |
| Submarine Control by a Single Operator, Oct 58 (AD 643655)   | 954-00-18          | U            |
| Submarine Control; Human Factors in the Design of, Oct 49 (Originally C-4)   | 641-2-4            | U            |
| Submarine Damage Control Training; Study of, Jul 66 (AD 377630-L)  | 1813-2             | C-4          |
| Submarine Diving Control Station; Human Factors in the Design of, Oct 48 (Originally C-4) (AD 642738)  | 641-1-1            | U            |
| Submarine Diving Trainer Effectiveness: A Study of Training Effectiveness Evaluation of Naval Training Devices Part I, Dec 70 (AD 879712)  | 69-C-0322-1        | U            |
| Submarine Equipment; Analysis of Equipment Ratings and Proposed Layout of Submarine Attack Center; The Human Factor in the Design and Layout of, Nov 47 (Originally C-4) (AD 642736) | 151-1-6            | U            |
| Submarine Equipment; Analysis of War Patrol Reports and Interview; The Human Factor in the Design and Layout of, Sep 47 (AD 642737)  | 151-1-4            | U            |
| Submarine Equipment; Kollmorgen any Height Periscope; The Human Factor in the Design and Layout of, Oct 47 (Originally C-4) (AD 642735)  | 151-1-5            | U            |
| Submarine Equipment; The Kollmorgen any Height Periscope (PR 9); The Human Factor in the Design and Layout of, Feb 48 (Originally C-4) (AD 642734)                                   | 151-1-7            | U            |
| Submarine Periscope Controls; Comments on Design of, Aug 47 (AD 660030)  | 151-1-3            | U            |
| Submarine Tactical Training Design Report Study, Dec 64  | 1553               | C-3          |
| Subminiaturization; Maintenance Problems Anticipated as a Result of, Apr 58 (AD 202886)  | 20-OS-23-2         | U            |
| SUBROC (MK 113 Fire Control System) Training Program; Human Factors Recommendations for, Feb 60 (Originally S) (AD 317363)   | 707-1              | U            |
| Suprathreshold Area Brightness Relationships, Jul 50 (AD 54321)  | 166-1-110          | U            |
| Symbolic Displays; Computer Based Adaptive Training Applied to, Mar 66 (AD 634338)   | 1594-1             | U            |
| Symposium on Project Cadillac  | 279-3-3            | U            |
| Synthetic Flight Training System, AH-56/CH-47, Concept Formulation Report (Addendum), Oct 68 (AD 678409)   | 68-C-0108-2        | U            |

| TITLE   | NAVTRA-<br>DEVCE | SEC<br>CLASS |
|---|------------------|--------------|
| Synthetic Flight Training Systems; Adaptive Techniques for, Oct 68 (AD 678536)  | 68-C-0136-1      | U            |
| Synthetic Flight Training System AH-56/CH-47, Concept Formulation Report (Addendum), Oct 68 (AD 678651)   | 68-C-0107-2      | U            |
| Synthetic Flight Trainer System; Concept Formulation Report, Jul 68 (AD 675505)   | 68-C-0107-1      | U            |
| Synthetic Flight Training System; Concept Formulation Report, Jul 68 (AD 673982)  | 68-C-0108-1      | U            |
| Synthetic Flight Training System (SFTS) Concept Formulation Report, Jul 68 (AD 675506)  | 68-C-0106-1      | U            |
| Systems Coordination and Plans for Dealing with them; Problems of, Dec 50 (AD 50739)  | 166-1-129        | U            |
| Tachistoscopic and WEFT Techniques in Aircraft Recognition; An Investigation of Various, Nov 65 (AD 626468)   | IH-40            | U            |
| Tachistoscopic Perception; The Effects of Induced Muscle Tension and Auditory Stimulation on, Mar 66 (AD 631840)  | IH-49            | U            |
| Tactical Decision Making in AAW and ASW; Behavioral and Operational Aspects of, Aug 64 (AD 354672)  | 1329-1-1         | C-4          |
| Tactical Decision Making in AAW and ASW; Behavioral and Operational Aspects of, Aug 64 (AD 607888)  | 1329-1           | U            |
| Tactical Decision Making; Research on Generalized Skills Related to, Dec 66 (AD 813382)   | 1329-2           | U            |
| Tactical Discrimination of Letters, Numerals and Geometric Forms; Accuracy of, Dec 51 (AD 657476)   | 166-1-146        | U            |
| Tactical Training Simulators; The Application of Digital Computer Techniques to, Feb 55 (AD 240664)   | 4078             | U            |
| TACTRAIN: An Approach to Computer-Aided Tactical Decision Making Training; Decision-Making Study Final Report, An Experimental Evaluation of, June 70 (AD 875911) | 1329-4           | U            |
| Talker Intelligibility and Message Familiarity; The Relationship Between, Oct 54 (AD 639097)  | 104-2-30         | U            |
| Talkers in Military Communication; Utilization of the Sonograph as an Instrument for Predicting the Relative Intelligibility of, Oct 53 (AD 45503)                | 104-2-33         | U            |
| Talkers; The Relative Intelligibility of Male and Female, Nov 53 (AD 45390)   | 104-2-29         | U            |
| Tank Tactical Training; Study of Training Requirements for, Apr 54 (AD 642595)  | 495-07-1         | U            |
| Target Brightness on Normal and Subnormal Visual Activity; Effect of, Feb 49 (AD 640085)  | 166-1-67         | U            |
| Target Coding by Means of Visual Flicker, Oct 48 (AD 640060)  | 166-1-68         | U            |
| Target Designation Transmitter MK II MOD I and the Bearing and Range Indicator MK 3 MOD 2; Speed and Accuracy of Operating, Nov 48 (AD 639627)                    | 166-1-66         | U            |
| Target Indication as a Function of Instruction, Nov 47 (AD 46732)   | 166-1-34         | U            |
| Target Recognition as a Function of Viewing Mode, Apr 64 (AD 447252)  | IH-12            | U            |
| Task Analysis and Beginnings of a Theory of Training; Development of an Improved Method of, Jun 64 (AD 445869)  | 1218-1           | U            |
| Task Analysis; Guidelines for, Jun 64 (AD 445870)   | 1218-2           | U            |
| Task Analysis Methods; A Review of the Literature on, Jun 64 (AD 445871)  | 1218-3           | U            |
| Task Report Systems Analysis Subtasks A and B, Command and Staff Exercise Simulator and Systems Analysis, Jul 59  | 510a, b          | U            |
| Teaching Machines; A Study in the Applications of, Sep 62 (AD 291788)   | 1000-1           | U            |
| Teaching Machines; Response Mode, Pacing, and Motivational Effects in, Jun 61 (AD 262779)   | 507-3            | U            |
| Teaching Machines; The Use of Context Cues in, Mar 60 (AD 238777)   | 507-1            | U            |
| Teaching; Research in the Automation of, Feb 61 (AD 259994)   | 661-1            | U            |
| Team Training, Jun 67 (AD 660019)   | 1327-4           | U            |
| Team Training; Human Factor Analysis of, Oct 59 (AD 315350)   | 198-1            | U            |
| Team Training; Human Factor Analysis, Nov 60  | 198-1, Rev 1     | U            |
| Team Training in a CIC-Type Task Environment; Experiments on, Jun 64 (AD 608309)  | 1327-1           | U            |
| Team Training; Laboratory Research on, May 66 (AD 485636)   | 1327-2           | U            |
| Team Training II: Individual Learning and Team Performance, Aug 60 (AD 247147)  | 198-2            | U            |
| Team Training III: An Approach to Optimum Methods and Procedures, Aug 61 (AD 267666)  | 198-3            | U            |
| Technical Training Courses Recorded on Sound Motion Pictures and Slides Plus Tapes; The Effectiveness, Acceptability, and Feasibility of, Jun 60 (AD 242697)      | 364-1            | U            |
| Televised Naval Vessels as a Function of TV Lines per Image Height; Identification of, May 68 (AD 861020)   | IH-26            | U            |
| Television Display; Feasibility Study Wide Angle, Nov 56 (AD 273486)  | 15U7-1           | U            |
| Television Evaluation Project, Oct 48   | 476-2-1          | U            |
| Television Instruction in Training Naval Air Reservists; Effectiveness of, Apr 51 (AD 119109A)  | 476-02-S2        | U            |
| Television Instruction Transmitted to Army Field Force Reservists; A Study of Learning and Retention from, May 51 (AD 109218)                                     | 476-02-S3        | U            |
| Television Research Reports; Instructional, Jun 56 (AD 119109)  | 20-TV-4          | U            |
| Television; Study, Virtual Image Viewing System for, Aug 66   | IH-60            | U            |
| Television System: The One-Camera Television Chain; The Development and Evaluation of a Low Cost Closed-Circuit Instructional, Dec 58 (AD 211710)                 | 5-11-1           | U            |

| TITLE  | NAVTRA-<br>DEV-CEN    | SEC<br>CLASS |
|--|-----------------------|--------------|
| Television Two Dimensional Light Valve and 143 Degree Wide Angle Lens, Jul 66<br>(AD 636969)   | IH-57                 | U            |
| Television Utilization in Army Training; Survey of, Dec 52 (AD 8062)   | 530-01-1              | U            |
| Television, Visual Principles for Training by (AD 90161)   | 20-TV-2               | U            |
| Temporal Integration of Energy in the Ear; Effect of Frequency Spectrum on, Jul 47<br>(AD 639686)  | 166-1-18              | U            |
| TGS-1 Antenna Simulator, MOD 1, Oct 49 (AD 640073)   | 166-1-77              | U            |
| TGS-1 Target Generating System, Jun 49 (AD 640072)   | 166-1-76              | U            |
| Three-Dimensional Display; Target Simulator for, Nov 49 (AD 644707)  | 166-1-98              | U            |
| Timed Phrases (AD 642311)  | 411-1-5               | U            |
| Timer; Audio, Apr 53 (AD 44181)  | 166-1-21              | U            |
| Time Sharing at Central and Peripheral Levels; Relative Importance of, Oct 59 (AD 230998)  | 508-2                 | U            |
| Tracking Behavior; Effective Time Constant in, Aug 68 (AD 675806)  | 67-C-0034-3           | U            |
| Tracking Performance; The Effect of Control Crank Size on, Jul 52 (AD 128356)  | 241-6-6               | U            |
| Tracking Skill as a Function of Task Difficulty (Target Size); The Transfer of, Dec 53<br>(AD 109345)  | 241-6-13              | U            |
| Tracking Training I: An Approach, May 57 (AD 143781)   | 1908-00-1             | U            |
| Tracking Training II: A Case History, Mar 58 (AD 203255)   | 1908-00-2             | U            |
| Tracking Training III: Transfer of Training, Jan 60 (AD 239251)  | 1908-00-3             | U            |
| Tracking Training IV: Design and Utilization of the General Vehicular Trainer, Aug 60<br>(AD 248260)   | 1908-00-4             | U            |
| Trainee and Instructor Task Quantification: Development of Quantitative Indices and<br>A Predictive Methodology, Jan 71 (AD 722423)  | 69-C-0278-1           | U            |
| Trainer, Switchboard Operator; Test Procedure for, Mar 66  | IH-55                 | U            |
| Training Aid and Device Requirements; A Guide for Determining, May 52 (AD 641912)  | 383-04-1              | U            |
| Training Aids; How to get more out of, Mar 52 (AD 221399)  | 383-7-1               | U            |
| Training Aids, Selection Form; A Methodological Study in the Development of, Jun 56<br>(AD 434816)   | 269-7-104             | U            |
| Training Analysis Procedure (TAP), Volume I: Theoretical Development, Jan 64   | 1169-1                | U            |
| Training Analysis Procedure (TAP), Volume II, HB for Application, Jan 64 (AD 436258)   | 1169-2                | U            |
| Training by Television - A Study in Learning and Retention, Oct 51 (AD 642526)   | 476-02-3              | U            |
| Training by Television - The Comparative Effectiveness of Instruction by Television,<br>Television Recordings and Conventional Classroom Procedures, Apr 51 (AD 642396)  | 476-02-2              | U            |
| Training by 90-mm AA Gun Crews, Mar 54 (AD 642589)   | 495-01-4.3            | U            |
| Training Device Employment Materials, Nov 71   | Append III            |              |
| Training Device Needs for Meeting Basic Officer Tactics Training Requirements;<br>Study of, Mar 71 (AD 726428)   | 70-C-0189-1           | U            |
| Training Device Needs for Meeting Basic Officer Tactics Training Requirements:<br>Study of, Mar 71 (AD 516714)   | 69-C-0140-1<br>Vol I  | U            |
| Training Device, Representative; An Investigation of Maintenance Problems of, Jan 58<br>(AD 159627)  | 69-C-0140-1<br>Vol II | C-4          |
| Training Devices, Four Representative; A Study of the Utilization of, Apr 52 (AD 237656)   | 20-OS-23-1            | U            |
| Training Devices, Procedures and Equipment; A Field Study of Voice Communication<br>Problems as Related to, Apr 55 (AD 75348)  | 383-7-2               | U            |
| Training Equipment and Individual Differences Research on Interactive Relationships<br>Among Learner Characteristics, Types of Learning, Instructional Methods, and<br>Subject Matter Variables; Study of, June 70 (AD 871612) | 104-2-41              | U            |
| Training Effectiveness as a Function of Simulator Complexity, Sep 59 (AD 230996)   | 68-C-0271-1           | U            |
| Training Equipment and Individual Differences; Study of, Mar 67 (AD 650850)  | 458-1                 | U            |
| Training Equipment and Individual Differences: The Effects of Subject Matter Variables;<br>Study of, May 68 (AD 671842)  | 66-C-0043-1           | U            |
| Training Equipment and Individual Differences: The Effects of Subject Matter Variables<br>(Supplementary Report); Study of, Aug 68 (AD 674428)   | 67-C-0114-1           | U            |
| Training Equipment Development; Task Analysis Methods Compared for Application to,<br>Sep 65 (AD 475879)   | 67-C-0114-2           | U            |
| Training Equipment Requirements; Basic Dimensions in Determining Methods for the<br>Application of Systems Research to the Development of, Aug 60 (AD 320307)  | 1218-5                | U            |
| Training Film Evaluation: FB254- Cold Weather Uniforms, Aug 54 (AD 73888)  | 663-1                 | C-3          |
| Training for Antiaircraft Artillery Gunnery, Aug 52 (AD 642505)  | 269-7-51              | U            |
| Training Functions During Design of Operational Equipment; Handbook for the Consideration<br>of, Jul 65 (AD 625828)  | 495-01-1              | U            |
| Training Functions During Design of Operation Equipment; Research on Consideration<br>of, Jul 65 (AD 625129)   | 1450-2                | U            |
| Training; Intensity Monitoring Performance as a Function of, Oct 54 (AD 639098)  | 1450-1                | U            |
| Training Media: Trainee Manipulation and Observation of Functioning Electrical<br>Systems vs Trainee Drawing of Schematic Electrical Systems; Comparison of, Jun<br>54 (AD 63934)  | 104-2-31              | U            |
|  | 269-7-101             | U            |

| TITLE  | NAVTRA-<br>DEVCE | SEC<br>CLASS |
|--|------------------|--------------|
| Training Media: Transfer of Principles Involved in a Manipulative Skill; Comparison of, Sep 55 (AD 81663)  | 269-7-103        | U            |
| Training Performance Evaluation Techniques; Study of, Oct 64 (AD 609605)   | 1449-1           | U            |
| Training Problem; Light Antiaircraft Tracer Observation and Fire Control with Specific Reference to, Aug 52 (AD 642527)  | 495-01-3         | U            |
| Training Situation Analysis, Experimental, and Application of Training Analysis Procedures to Two Military Systems, Nov 63 (AD 378180)   | 342-6            | C            |
| Training Situation Analysis; Guidelines for, Jul 65 (AD 472155)  | 1218-4           | U            |
| Training Situation Analysis Procedure; Introductory Course on, Aug 65 (AD 623385)  | 1H-37            | U            |
| Training System Evaluation; Handbook for, Nov 70 (AD 512675)   | 66-C-0113-1      | C-4          |
| Training System use and Effectiveness Evaluation, Jul 66 (AD 640423)   | 1743-1           | U            |
| Training Systems Evaluation; Handbook for, Jan 71 (AD 885751)  | 66-C-0113-2      | U            |
| Training 90-mm AA Gun Crews, Sep 53 (AD 207127)  | 495-01-4         | U            |
| Training 90-mm AA Gun Crews, History of the Project, Mar 54 (AD 642586)  | 495-01-4.1       | U            |
|  | Append I         |              |
| Training 90-mm AA Gun Crews, Statistical Analysis, Mar 54 (AD 642588)  | 495-01-4.2       | U            |
|  | Append II        |              |
| Training 90-mm AA Gun Crews, Training Aids and Devices, Mar 54 (AD 657947)   | 495-01-4.4       | U            |
|  | Append IV        |              |
| Transfer of Training; Fidelity of Simulation: I. Time Sharing Requirements and Control Loading as Factors in, Oct 59 (AD 231000)   | 508-4            | U            |
| Transfer of Training; Measurement of, Sep 47 (AD 641582)   | 316-1-1          | U            |
| Transfer of Training; Stimulus Pre-Differentiation as a Factor in, Aug 49 (AD 657191)  | 316-1-7          | U            |
| Transistor Evaluation and a Controlled-Current Circuit Design, Aug 57  | 58-06            | U            |
| Transmitting Messages upon the Relationship between Their Duration and the Duration of Repetitions of Them; Rate of Speaking: IV. Effects of the Mode and Level of (AD 657946) | 411-1-9          | U            |
| Transmitting Messages upon the Relationships between Their Intensity and the Intensity of Repetitions of Them; Effect of the Mode and Rate of (AD 642387)                      | 411-1-10         | U            |
| Transparencies, Animated and Static; The Comparative Effectiveness of, Apr 58 (AD 638330)  | 78-1             | U            |
| Troubleshooting Strategies; Evaluation of, Jan 64 (AD 438924)  | 1231-1           | U            |
| TV Converter-Display Group. BUSHIPS: AN/UXA-3(XNI); Report on Appraisal Studies of Two Digitally-Controlled Instrument Seryos; A Simulation Study of, Jun 59                   | 166-1-138        | U            |
| Two-Hand Tracking Performance; The Effects of Continuity in Display and Control Movement Relationships on, Oct 53 (AD 119859)  | 7890-TR-2        | U            |
| Two Lenses for 160 Degrees X 60 Degrees Closed Circuit Projection TV; Final Report on the Development of, Aug 70 (AD 874278)   | 241-6-12         | U            |
| Typewriting, Teaching; A Comparison of Two Methods of, Jan 60 (AD 641321)  | 69-C-0192-1      | U            |
| T-28 Aircraft; Simulation of   | 294-1            | U            |
| UDOFIT Mathematical Procedures; Investigation and Evaluation of, Dec 62 (AD 401748)  | 1H-75            | U            |
| UDOFIT Transistorization Study; Final Report for, Jun 60   | 838-2            | U            |
| Ultrasonics for Simulation (Final Report), Dec 66  | 596              | U            |
| Ultrasonic Vibrations on/man; The Effects of, Apr 48 (AD 639363)   | 1854-1           | U            |
| Undersea Salvage Simulation Study; Feasibility of, May 71 (AD 726427)  | 151-1-15         | U            |
| Undersea Warfare Tactical Trainer: Device RS-8A; Instructor's Guide for the Operation of, Dec 57 (AD 301768)   | 69-C-0116-1      | U            |
| Underwater Environment Simulation Feasibility: Final Report, Oct 66 (AD 812815L)   | 76-3             | U            |
| Underwater Transducer Study, High Fidelity, Low Frequency; Data Report, Aug 67   | 1861-1           | U            |
| Uniform Length Executed at various distance from the Body; Positioning Reactions of, Jul 48 (AD 639284)  | 2204             | C-3          |
| Universal Digital OFT, Dec 54  | 57-2-4           | U            |
| Universal Digital OFT; Final Report, Jun 55  | 55-19            | U            |
| Universal Digital OFT, Jun 54 (AD 44627)   | 56-27            | U            |
| Universal Digital OFT, Programming and Coding Manual for, Jan 57   | 54-45            | U            |
| UOL-Equipped Minesweepers; Study of the Plotting and Communication Facilities in the Chart Room of, Oct 51 (Originally C-4) (AD 643205)  | 57-12            | U            |
| Various Information Display Devices; A Survey of, May 67 (AD 653867)   | 641-3-9          | U            |
| Various Planes of Movement Using a Knob Control; Accuracy of Bisection of Large Angular Extents in, Aug 55 (AD 109239)   | 1H-74            | U            |
| Verbal Context; Communication in Noise: Success Related to Three Degrees of Emphasis on, Dec 54 (AD 639099)  | 241-6-17         | U            |
| Vertical Indicating Systems; A Short Description of (A Review 2-48 through 5-53), Jun 53   | 104-2-36         | U            |
| Vertical Plotting Board; Brightness of Grease Pencil Marks on, Jul 47 (AD 639381)  | 106-21           | C            |
| Vertical; Preliminary Report on some Existing Methods for Achieving a Stable, Nov 48   | 166-1-23         | U            |
| Vertical Reference, Establishing a; Preliminary Report on General Analysis of the Problem of, Feb 50   | 106-2            | C            |
| Vertical Reference System; An Airborne, Dec 50   | 106-8            | C            |
| Vertical Reference System Method I; Preliminary Report on, Feb 50  | 106-13           | C            |
| Vertical Reference System Method II; Preliminary Report on, Feb 50   | 106-9            | C            |
|  | 106-10           | C            |

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|--|--------------------|--------------|
| Vertical Reference System Method III; Preliminary Report on, Feb 50  | 106-11             | C            |
| Vertical Reference System (Report A); Computer Development for an Airborne, Feb 51   | 106-14             | C            |
| Vertical Reference System; Simulator Analysis of, Mar 51   | 106-15             | C            |
| Vertical Surfaces; Maximum Limits of Working Areas on, Jan 47 (AD 639369)  | 166-1-8            | U            |
| VF Aided Tracking Equipment; Some Experiments with, Sep 48 (AD 640082)   | 166-1-53           | U            |
| VG Remote PPI; Some Perceptual Problems in use of, Feb 46 (AD 639368)  | 166-1-2            | U            |
| VG Remote PPI; Study of Factors Affecting Operation of, Aug 46 (AD 657477)   | 166-1-1            | U            |
| Video Signal Generating Unit HB, Jun 57  | 62R-4              | U            |
| Vigilance Performance and Physiological Responses; Effects of Signal Patterning upon, Jan 67 (AD 648948)                             | IH-62              | U            |
| Vigilance Performance and Physiological Responses Under Fixed and Variable Signal Schedules, May 67 (AD 655619)                      | IH-71              | U            |
| Visibility from High Altitude Aircraft; Estimates of, Apr 48 (AD 642798)   | 151-1-14           | U            |
| Visibility of Signals on PPI Screens; Effect of the Reflection Plotter on, Jan 50 (AD 640080)  | 166-1-119          | U            |
| Visible Horizon, the Extent and Distribution of; Pilot Performance in Instrument Flight as a Function of, Jun 49 (AD 136800)         | 71-16-3            | U            |
| Vision; The Speed and Accuracy of Discriminating Differences in Single and Compound Aspects of (AD 639144)                           | 131-1-4            | U            |
| Visual After-Images as a Source of Information, Jun 64 (AD 603546)   | 1303-3             | U            |
| Visual, Aural, Motion and Control Movement Cues; An Investigation of, Apr 71 (AD 726430)   | 69-C-0304-1        | U            |
| Visual Codes Proposed for the Integrated Electronics Display System; Preliminary Recommendations on the Types of, Nov 49 (AD 644644) | 166-1-105          | U            |
| Visual Display Generated by Television; Setting Performance Criteria for, Feb 70 (AD 864994)   | IH-167             | U            |
| Visual Display Requirements; The Pilot's Visual Task: A Study of, Mar 63 (AD 407440)   | 783-1              | U            |
| Visual Identification Skills; Response and Feedback Techniques for Automated Training of, Jul 64 (AD 447882)                         | 789-3              | U            |
| Visually Presented Field of Dots; Subitizing and Counting of, Oct 50 (AD 639360)   | 166-1-MHC6         | U            |
| Visual Number; Discrimination of, Oct 49 (AD 132905)   | 166-1-MHC5         | U            |
| Visual Numbers; The Effect of a Simple Training Procedure on the Judgement of, Sep 51 (AD 639142)                                    | 131-1-1            | U            |
| Visual Perception: Analysis of Selected Papers, Feb 64 (AD 602283)   | 294-5              | U            |
| Visual Perception of Depth; Effect of Learning on, Aug 62 (AD 634542)  | 511-1              | U            |
| Visual Persistence Decay Curves as a Function of Intensity and Duration of the Stimulus, Jun 62 (AD 284977)                          | IH-1               | U            |
| Visual Presentation, 360-Degree Nonprogrammed; Investigation of, Jun 62 (AD 291468)  | 1053-1             | U            |
| Visual Research; Projection Timer for, Nov 46 (AD 639370)  | 166-1-4            | U            |
| Visual Simulation and Image Interpretation, May 69 (AD 856929)   | IH-153             | U            |
| Visual Simulation Phase I. An Analysis of the Factored Transparency Method; A Study of 3-D Effects in, Jun 66 (AD 635869)            | IH-53              | U            |
| Visual Space as a Function of the Temporal Interval Between the Stimuli; Two-Point Discrimination in, Feb 51 (AD 43978)              | 166-1-125          | U            |
| Visual Time-Sharing; Using a Generalized Contact Flight Simulator to Improve, Apr 65 (AD 619047)                                     | 1428-1             | U            |
| VJ Remote Radar; Appraisal of, May 49 (AD 640059)  | 166-1-58           | U            |
| VJ Remote Radar Indicator and its Effect on Operator Performance; Mounting Angle of, Feb 48 (AD 646273)                              | 166-1-41           | U            |
| VJ Remote Radar Indicator; Some Aspects of Operator Performance on, Jun 49 (AD 639855)   | 166-1-91           | U            |
| Vocal Frequency and Intensity of Hearing Sustained Tones while Reading; Effect of (AD 642390)  | 411-1-7            | U            |
| Vocal Intensity and Rate; Effect of Room Characteristics upon, Mar 50 (AD 642509)  | 411-1-15           | U            |
| Vocal Rate-Duration and Intensity; The Equating of Reading Materials for, Jan 54 (AD 42860)  | 104-2-35           | U            |
| Voice; A Factor Analysis of Twelve Physical Measures of, Feb 57 (AD 639106)  | 104-2-48           | U            |
| Voice Communication: Effect of Stress Conditions on Speaker Intelligibility, Sep 48 (AD 638350)                                      | 104-2-10           | U            |
| Voice Communication: Effect of Stress on Talkers - A Personality Study, Oct 48 (AD 656631)   | 104-2-11           | U            |
| Voice Communication: Intelligibility in, Sep 49 (AD 642386)  | 411-1-17           | U            |
| Voice Communication; Intelligibility of (A Review of Past and Projected Research, Training Devices, and Methods), Jun 57 (AD 143738) | 104-2-51           | U            |
| Voice Communication: Intelligibility Training with Purdue Speech Intensity Demonstrator, Apr 48 (AD 654585)                          | 104-2-8            | U            |
| Voice Communication Research; Annotated Bibliography of, Jun 58 (AD 202401)  | 104-2-52           | U            |
| Voice Communication: Retention of Improved Intelligibility, Jan 48 (AD 656629)   | 104-2-5            | U            |



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| Voice Communication: Retention of Improved Intelligibility II, Aug 48 (AD 638351)  | 104-2-9            | U            |
| Voice Communications Training Device; Functional Specifications for a, Feb 56 (AD 95052)   | 104-2-45           | U            |
| Voice Communication; The Retention of Improved Intelligibility in (AD 647139)  | 104-2-22           | U            |
| Voice Communication Training (Abstract); An Experimental Comparison of 5 Conditions for, Jul 47 (AD 657469)  | 104-2-3            | U            |
| Voice Communication Training After One Year; Retention of, Mar 49 (AD 639085)  | 104-2-13           | U            |
| Voice Communication Training; An Experimental Comparison of 5 Conditions for, Aug 47 (AD 638355)   | 104-2-4            | U            |
| Voice Communication Training Device; Evaluation of a Signal Level Monitoring; Meter as a Component in a, Mar 56 (AD 639105)                        | 104-2-47           | U            |
| Voice Communication Training Device; Evaluation of a Tape Recorder-Reproducer as a Component in a, Mar 56 (AD 127495)                              | 104-2-46           | U            |
| Voice Communication Training Equipment Utilizing Device 8-1; Directions for Installation and Operation of, Mar 47 (AD 657465)                      | 104-2-2            | U            |
| Voice Reaction Time; Electronic Chronograph for Measurement of (AD 639379)   | 166-1-27           | U            |
| Voice Variables and Speech Intelligibility in High Level Noise; A Further Investigation of the Relationships between, Apr 55 (AD 639096)           | 104-2-26           | U            |
| Voice Variables and Speech Intelligibility in High Level Noise; Relationships between, Nov 51 (AD 639095)  | 104-2-25           | U            |
| Vowels in Reading; Natural Frequency, Duration and Intensity (AD 642506)   | 411-1-11           | U            |
| VTOL Aircraft, Jet; A Training Analysis of the Pilot's Task in Transitioning to, Sep 59 (AD 231477)  | 74-1               | U            |
| Wake Generating System for the ASW Submarine Target, Device 21B12 Miniaturized; Preliminary Study Report of, Sep 65 (AD 888191)                    | 1754-1             | U            |
| Weapon Firing Simulators; Gas Lasers in, Nov 68 (AD 844286L)   | IH-154             | U            |
| Weightlessness-Training Requirements and Solutions, Mar 61 (AD 739512)   | 560-1              | U            |
| Whole vs Part Training as a Function of Task Dimensions, Feb 62 (AD 277617)  | 950-2              | U            |
| Wide Angle, Non-Programmed, Visual Presentations; Basic Development Accomplished on, Apr 59 (AD 227192)  | 404, Vol I         | U            |
| Wide Angle, Non-Programmed, Visual Presentations; Basic Development Accomplished on, Apr 59 (AD 227193)  | 404, Vol II        | U            |
| Wide Angle Pinhole Lens and TV Camera System Design, Fabrication and Checkout, Jan 70 (AD 867070)  | 69-C-0132-1        | U            |
| Wide Angle Point Light Source Display: Screen Luminance Distribution of, Sep 69  | TN-6               | U            |
| Wide Angle Television Projection, Phases I and II, Oct 64 (AD 217111)  | 695-1, Vol I       | U            |
| Wide Angle Television Projection, Phases I and II (Appendices B and C - Schematics), Oct 64 (AD 623815)  | 695-1, Vol II      | U            |
| Wide Angle Television Projection, Phase III, Final Engineering Report (Basic and Appendices A, B, C), Feb 68 (AD 673444)                           | 695-2, Vol I       | U            |
| Wide Angle Television Projection, Phase III, Final Engineering Report (Appendices D, E, F, G, H), Feb 68 (AD 673445)                               | 695-2, Vol II      | U            |
| Wide Angle TV Camera Pickup Lens System Using Reflective Optics, Aug 70 (AD 714487)  | IH-182             | U            |
| XC-142 Analog Computer Program Study: XC-142A Simulation Equations Mechanization; Simulation of Helicopter and V/STOL Aircraft, Jan 65 (AD 667264) | 1205-6, Vol VI     | U            |
| 15-J-4-q Moving Radar Target Generator: Its Design and Evaluation; A Rate of Turn Device for use with, Mar 65 (656634)                             | 279-3-9            | U            |



## APPENDIX A

## CONTRACTOR CODES

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| AA   | - University of Iowa                            |
| AB   | - University of Pennsylvania                    |
| AC   | - Massachusetts Institute of Technology         |
| AD   | - Educational Research Corporation              |
| AE   | - Not Used                                      |
| AF   | - Long Island University                        |
| AG   | - Ohio State University                         |
| AH   | - American Institute for Research               |
| AI   | - The Pennsylvania State University             |
| AJ   | - University of Illinois                        |
| AK   | - Fairchild Astrionics Division                 |
| AL   | - FARRAND Optical Company                       |
| AM   | - Systems Engineering                           |
| AN   | - Radio Corporation of America                  |
| AO   | - International Telephone Telegraph             |
| AP   | - American Institutes                           |
| AQ   | - Fairchild Guided Missiles Division            |
| AR   | - Tufts College                                 |
| AS   | - Purdue University                             |
| AT   | - Allen B. Dumont Laboratory                    |
| AU   | - New York University                           |
| AV   | - Psychological Research Associates             |
| AW   | - Educational Research Corporation              |
| AX   | - Mount Holyoke College                         |
| AY   | - Curtiss-Wright Corporation                    |
| AZ   | - Psychological Corporation                     |
| BA   | - Fairchild Camera                              |
| BB   | - Johns Hopkins                                 |
| BC   | - Harvey Radio Laboratory                       |
| BD   | - University of Rochester                       |
| BE   | - Franklin Institute                            |
| BF   | - Cornell Agronautical Laboratory, Incorporated |
| BG   | - Connecticut College                           |
| BH   | - Dunlap and Associates Incorporated            |

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|------|---|
| BI   | Human Factors Research, Incorporated                    |
| BJ   | Kenyon College  |
| BK   | Cornody   |
| BL   | Richard Bellows Henry and Company Incorporated          |
| BM   | Richard F. D. Heinemann                                 |
| BN   | HRB Singer, Incorporated                                |
| BO   | Westinghouse Electric                                   |
| BP   | Operations Research Incorporated                        |
| BQ   | Iowa State College                                      |
| BR   | Courtney and Company                                    |
| BS   | Swarthmore College                                      |
| BT   | International Business Machines Federal System Division |
| BU   | Fordham University                                      |
| BV   | Airborne Instruments Laboratory Incorporated            |
| BW   | General Dynamics Corporation                            |
| BX   | University of Michigan                                  |
| BY   | Institute for Research and Human Relations              |
| BZ   | Philco Corporation                                      |
| CA   | Bolt Beranek and Newman Incorporated                    |
| CB   | American Machine and Foundry                            |
| CC   | Goodyear Aircraft Corporation                           |
| CD   | Servo Corporation of America                            |
| CE   | General Precision Incorporated                          |
| CF   | Brooklyn College  |
| CG   | Weston Instruments                                      |
| CH   | Michigan State University                               |
| CI   | Sylvania Electronic System                              |
| CJ   | University of Massachusetts                             |
| CK   | Kollsman Instrument Corporation                         |
| CL   | Litton Systems Incorporated                             |
| CM   | MPD Division, General American Transportation           |
| CN   | Computronics  |
| CO   | CBS Laboratories  |
| CP   | Pennsylvania Research Association                       |
| CQ   | Teaching Machines, Incorporated                         |
| CR   | Fairchild Stratos Corporation                           |
| CS   | International Public Opinion                            |

| CODE | CONTRACTOR  |
|------|---|
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| CW   | - MELPAR  |
| CX   | - Westgate Laboratory                             |
| CY   | - Franklin Institute Laboratory                   |
| CZ   | - Joseph Kay and Company, Incorporated            |
| DA   | - Systems Development Corporation                 |
| DB   | - Automation Laboratory                           |
| DC   | - Technical Research Group                        |
| DD   | - Whittaker Corporation                           |
| DE   | - George Peabody College                          |
| DF   | - Technical Development Corporation               |
| DG   | - Applied Science Associates                      |
| DH   | - American Museum of Natural History              |
| DI   | - Lear Siegler Incorporated                       |
| DJ   | - General Applied Science Laboratory Incorporated |
| DK   | - National Instrument Company                     |
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| DM   | - Bell Aerosystems Company                        |
| DN   | - North American Aviation Incorporated            |
| DO   | - Biotechnology Incorporated                      |
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| DQ   | - Lockheed Aircraft Company                       |
| DR   | - Applied Psychological Services                  |
| DS   | - Pennsylvania Research Incorporated              |
| DT   | - The Matrix Corporation                          |
| DU   | - Republic Aviation                               |
| DV   | - Computer Concepts Incorporated                  |
| DW   | - Grumann Aircraft                                |
| DX   | - Douglas Aircraft                                |
| DY   | - Bendix Aviation                                 |
| DZ   | - University of Hull                              |
| EA   | - University of Aberdeen, Scotland                |
| EB   | - National Bureau of Standards                    |
| EC   | - Sheffield University                            |
| ED   | - Transdyne Corporation                           |
| EE   | - Trainer Corporation of America                  |
| EF   | - NSD, Mechanicsburg                              |

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| EH   | - Technical Products Company                              |
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| EJ   | - Stanley Aviation  |
| EK   | - Engineering and Research Corporation                    |
| EL   | - De Florez Company                                       |
| EM   | - SESCO Manufacturing                                     |
| EN   | - ACF Electronics   |
| EO   | - Aircraft Armaments Incorporated                         |
| EP   | - Honeywell, Incorporated                                 |
| EQ   | - Hazeltine Corporation                                   |
| ER   | - Applied Research Association Incorporated               |
| ES   | - Missouri Research Laboratory                            |
| ET   | - Biorad Incorporated                                     |
| EU   | - American Institutes Research in the Behavioral Sciences |
| EV   | - Matrix Corporation                                      |
| EW   | - Futuronics Incorporated                                 |
| EX   | - National Engineering Science Company                    |
| EY   | - General Electric  |
| EZ   | - Conductron Missouri                                     |
| FA   | - Human Sciences Research                                 |
| FB   | - Stanford Research Institute                             |
| FC   | - Rich, Bell and Henry                                    |
| FD   | - RAI Corporation   |
| FE   | - Canoga Electronics Corporation                          |
| FF   | - Florida State University                                |
| FG   | - Martin Marietta Corporation                             |
| FH   | - Dalto Electronics Corporation                           |
| FI   | - NRA Incorporated  |
| FJ   | - Oceanic Incorporated                                    |
| FK   | - LOGICON   |
| FL   | - DelMar Engineering Laboratory                           |
| FM   | - Sanders Associates Incorporated                         |
| FN   | - Willey Optical Corporation                              |
| FO   | - Bunker-Ramo Corporation                                 |
| FP   | - Evans-Sutherland Computer Corporation                   |
| FQ   | - Manned Systems Sciences Incorporated                    |
| FR   | - Anacapa Sciences Incorporated                           |

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| 11. SUPPLEMENTARY NOTES  |  | 12. SPONSORING MILITARY ACTIVITY  |                 |
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| 13. ABSTRACT   |  |   |                 |
| This index lists published Naval Training Device Center technical reports and some technical notes (those available through the Defense Documentation Center (DDC)) which have resulted from basic research, exploratory development and advanced development type projects. |  |   |                 |

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| 14. KEY WORDS   | LINK A |    | LINK B |    | LINK C |    |
|---|--------|----|--------|----|--------|----|
|   | ROLE   | WT | ROLE   | WT | ROLE   | WT |
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